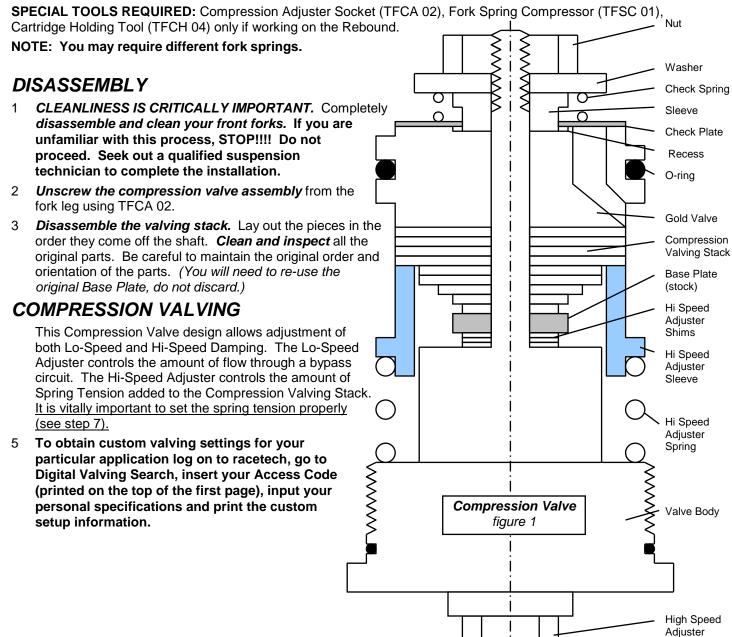
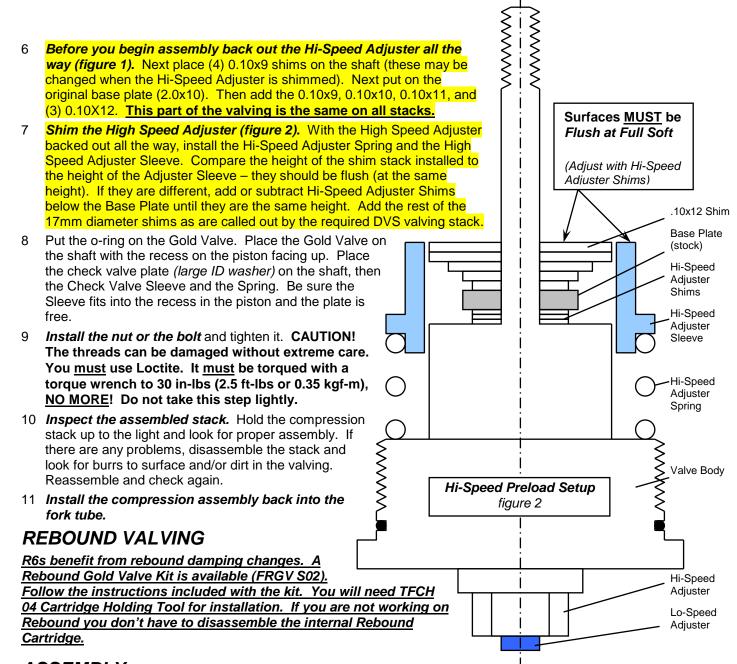


FORK GOLD VALVE INSTALLATION STREET / ROAD RACE 20mm – 06+ R6 w/Hi-Speed Adjuster

TOOLS REQUIRED: (In addition to those required for fork disassembly.) In-lb Torque Wrench that accurately measures 0 to 50 in-lbs (0.58 kgf-m), Hi-strength Loctite (included), Metric Calipers, 0-25mm Metric Micrometer.



Low Speed Adjuster



ASSEMBLY

- 12 Reassemble the forks according to the procedure in your manual. Use the proper spring rate. Bleed the cartridge and set the oil level with the forks and the damping rod completely bottomed. Set the oil level and spring preload according to the Digital Valving Search Setup Sheet.
- 13 *Install the cap*. Start by unscrewing the adjuster all the way. Thread the stock Special Nut on the Damping Rod all the way. Add the Washer. Use Loctite on the damping rod thread at the cap. Install the Cap on the Damping Rod and tighten it all the way until it stops. Tighten the Jam Nut and torque it to manufacturer's specs.
- 14 Adjust the Lo and Hi-Speed Compression and Rebound Adjusters according to the Digital Valving Search Setup Sheet.
- 15 When the forks are put on the bike it is very important to *align the fork tubes*. This is done by first tightening the axle all the way, and then the tubes are aligned by pumping the forks up and down with the right-hand axle clamp loose. This will line the tubes up so they won't bind. Finally, tighten the axle clamp.

BUILDING the VALVING STACK - STREET / RR 20mm - HS Adjuster

Welcome to the wonderful world of Gold Valving. To obtain your personal Custom Suspension Settings:

- 1. Log on to racetech
- 2. Go to Digital Valving Search (DVS)
- 3. Input your Access Code (on top of page 1) when prompted
- 4. Input your personal specifications
- 5. Print your DVS Custom Suspension Setup Sheet

Once you have your valving settings, build your valving stacks.

EXAMPLE:

The Total Valving Stack is cH53:

Starting from the Gold Valve piston face

Compression Stack - cH53

(3) 0.15x17

(3) 0.10x12

(1) 0.10x11

(1) 0.10x10

(1) 0.10x9

(1) 2.0x10 (stock)

(4*) 0.10x9 (*Adjust quantity for zero preload on Hi Speed Adjuster)

NOTE: All measurements are metric (for inches divide by 25.4). The valving list starts at the piston face and goes towards the base plate. Valve specs are listed by (QUANTITY) THICKNESS x DIAMETER. A number in parentheses means quantity. If there is no number in parentheses the quantity is one. Example: (2).15x17 means quantity two, 15 hundredths of a millimeter thick by 17 millimeters in diameter.

FORK GOLD VALVE CHART - STREET / ROAD RACE 20mm

<2049S-072> © P Thede STIFFER →

cH50	cH51	cH52	cH53	cH54	cH55	cH56	cH57	cH58	cH59
.10x17	(1).15x17	(2).15x17	(3).15x17	(4).15x17	(5).15x17	(6).15x17	(7).15x17	(8).15x17	(9).15x17
(3).10x12									
.10x11									
.10x10									
.10x9									
2.0x10 (stk)									
(4*).10x9									

Shim Dimensions - (QUANTITY) THICKNESS x DIAMETER in mm (for inches divide by 25.4

*Adjust quantity for zero preload on Hi Speed Adjuster

TUNING NOTES

- Damping is sensitive to vertical wheel velocity, not position in the stroke. If your valving needs to be stiffer, move to the
 right. This will improve bottoming resistance by increasing damping overall, making it stiffer through the entire speed
 range. If the forks are too firm, go the opposite direction, to the left.
- Please feel free to use the compression damping adjusters. It controls the lowest speed damping and affects the entire range. The closer to maximum damping (full clockwise) the more effect one click makes. In other words going from 3 to 2 has a lot more effect than going from 14 to 13.
- The "High Speed Adjuster" adds preload to the Valving Stack. Increasing the High Speed will slow down "dive" during braking especially when the Low Speed Adjuster is close to being closed off.
- Spring rate is dependent mostly on rider and bike weight. Spring rate, preload and low-speed compression damping; affect dive, wallow and bottoming.
- Oil level can drastically alter bottoming resistance and only affects the last part of the travel (near bottoming). If you like the action, but the forks bottom too easily, raise your oil level by 10mm (0.4").
- If the forks feel too soft all the way through, increase compression damping with the external adjuster (if available). If that's not enough, change the compression stack internally.