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

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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.

SPECIAL TOOLS REQUIRED: Compression Adjuster Socket (TFCA 02), Fork Spring Compressor (TFSC 01), Cartridge Holding Tool (TFCH 04) only if working on the Rebound. NOTE: You may require different fork springs. Please consult racetech.com/ProductSearch.

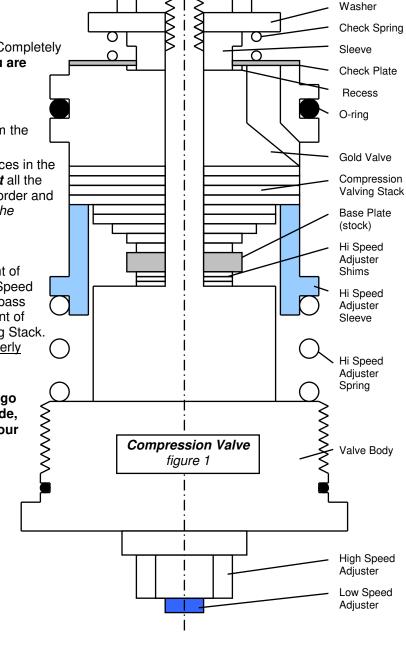
DISASSEMBLY

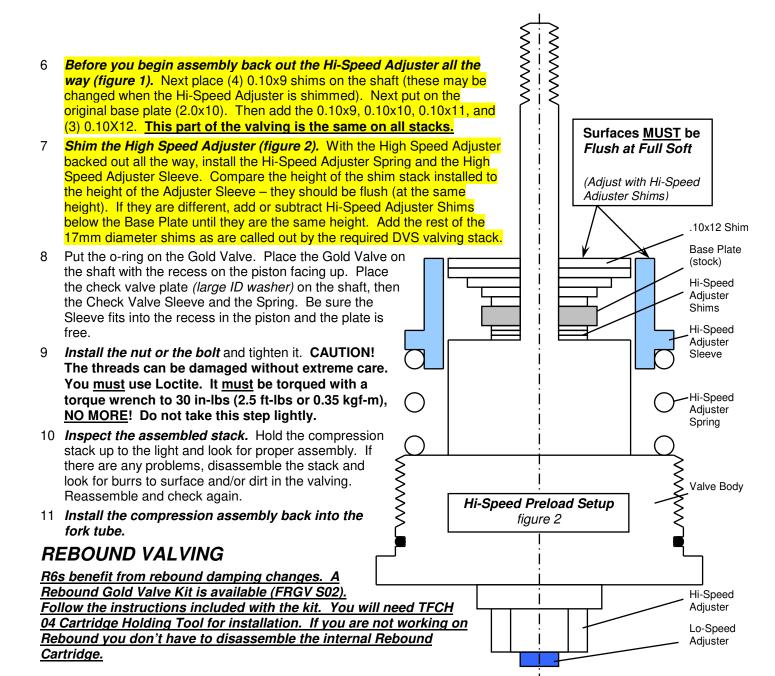
- CLEANLINESS IS CRITICALLY IMPORTANT. Completely disassemble and clean your front forks. If you are unfamiliar with this process, STOP!!!! Do not proceed. Seek out a qualified suspension technician to complete the installation.
- Unscrew the compression valve assembly from the fork leg using TFCA 02.
- Disassemble the valving stack. Lay out the pieces in the order they come off the shaft. Clean and inspect all the original parts. Be careful to maintain the original order and orientation of the parts. (You will need to re-use the original Base Plate, do not discard.)

COMPRESSION VALVING

This Compression Valve design allows adjustment of both Lo-Speed and Hi-Speed Damping. The Lo-Speed Adjuster controls the amount of flow through a bypass circuit. The Hi-Speed Adjuster controls the amount of Spring Tension added to the Compression Valving Stack. It is vitally important to set the spring tension properly (see step 7).

To obtain custom valving settings for your particular application log on to racetech.com, go to DVS Valving Search, insert your Access Code, input your personal specifications and print your **Custom Setup Sheet.**





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 DVS 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.
- 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.
- 16 If you have *any questions* please call Technical Support at 951.279.6655.