

RACE TECH

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FORK REBOUND GOLD VALVE INSTALLATION - DIRT 20mm FRGV 200602

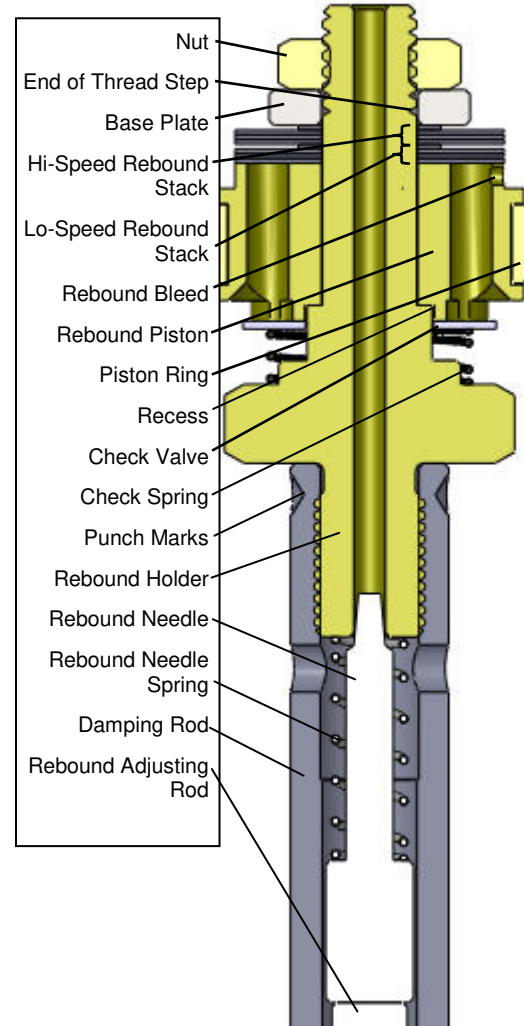
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TOOLS REQUIRED: In addition to the tools required for disassembly and assembly. TFSH 20 Shaft Holding Tool, Hydraulic Press (some stubborn cartridges), Hi-Strength Loctite (included), 400 grit (very fine) or finer Sandpaper.

CAUTION: THIS PROCEDURE SHOULD ONLY BE DONE BY A QUALIFIED SUSPENSION TECHNICIAN. IF YOU ARE NOT FAMILIAR WITH THIS PROCEDURE, STOP! CONTACT RACE TECH OR A QUALIFIED SUSPENSION TECHNICIAN.

DISASSEMBLY

- D1 **Disassemble the forks** and remove the cartridge.
- D2 **Remove the compression valve.** If you are installing compression Gold Valves at this time, follow the instructions for installation included in the kit.
- D3 **Remove the Rebound Damping Rod Assembly from the Cartridge.** If it cannot slide out of the bottom of the cartridge **remove the cartridge seal head assembly** (at the top of the cartridge) from the cartridge tube. It is Loctited in. It is often beneficial to heat the seal head assembly at the thread (internal) to loosen the Loctite. It should be heated just slightly above 250° F (121° C). Use the TFSH 20 shaft holding tool at the bottom of the cartridge with the compression base valve assembly installed to give it support. You may have to hold the shaft holding tool in a hydraulic press to keep the cartridge from spinning.
- D4 **Remove the stock rebound valve assembly from the shaft.** Hold the shaft using the Shaft Holding Tool supplied. Use heat to loosen the Loctite. You may need to clamp the shaft holding tool in a press to keep the rod from spinning.
- D5 **Polish the damping rods with 400 grit (very fine) or finer sandpaper.** This will drastically improve bushing life and reduce drag as well. The important part is the lower half of the rod where it contacts the damping rod bushing.
- D6 **Install the Rebound Holder into the shaft.** Insert the rebound adjuster needle into the rebound piston end of the shaft with the point facing outward. Insert the needle spring and install the new rebound assembly into the shaft. The point of the needle goes into the inner diameter of the small spring. Make sure everything is clean and use Loctite on the thread. Torque the holder to 20 ft-lbs (27.2 NM).



REBOUND VALVE
figure 1

VALVING

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 DVS Custom Setup Sheet.

Assembly order:

- 1 Check Spring
- 2 Check Plate
- 3 Rebound Gold Valve (the recess goes first, towards check plate)
- 4 Rebound Valving
- 5 Base Plate
- 6 Nut (Use Loctite and torque the nut to 30 in-lbs (0.35 kgf-m))

FORK ASSEMBLY

- A1 **Assemble the cartridge according to the procedure in your manual.** If you have removed the seal head assembly use Loctite on the thread and torque it to 36 ft-lbs (48.9 NM).
- A2 Install the compression assembly and **reassemble the forks. Set Fork Spring Preload and Oil Level.**
- A3 **Install the fork cap** and torque it to manufacturer's specs.
- A4 Set the adjusters. Enjoy!