RACE TECH GOLD VALVE CARTRIDGE EMULATOR

<IPM FEGV STD.doc> © 4-30-22

FEGV STANDARD

Fk Access Code

1 STEP

DVS Valving Search for Custom Setup

Emulator Valving is NOT preset! You MUST do a DVS Valving Search for your Personal Custom Setup!

Scan QR Code or go to racetech.com

2 STEP

Instructions Search

View all instructions for your model.

Look for special instructions for Anti-Dive, Rebound Adjust, or other stock Valving

Scan QR Code or go to racetech.com

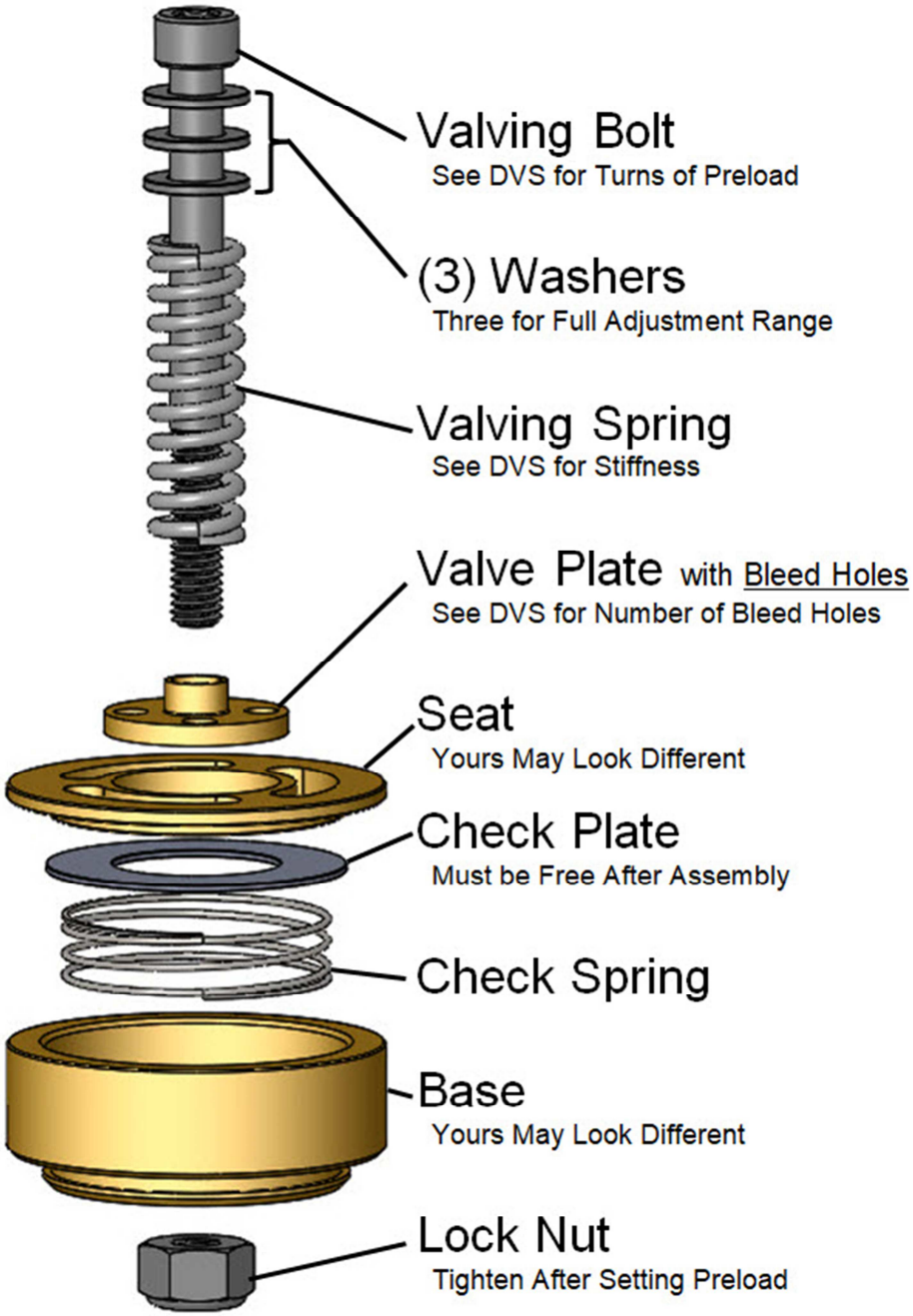
3 STEP

Build the Emulator Valving to DVS Custom Settings

a. ***Bleed Holes – If necessary drill Bleed Holes in the Valve Plate*** ***(copy the original hole size.)***
b. ***Valving Spring – Use the DVS recommendation.***

VALVING SPRING RATES
26 lb – Silver
40 lb - Blue
64 lb - Yellow
101 lb - Red

c. ***Valve Spring Preload – Turn in the Valving Bolt until there is no free play. Count the number of turns in as recommended by the DVS.***
d. ***Be sure to tighten the Lock Nut.***



4 STEP

ADD COMPRESSION FEED HOLES

Enlarge existing compression holes and add holes if necessary so you end up with **six holes (3 sets of 2 holes)**.

Damping Rods 17mm or larger - drill 8mm (5/16”) holes.
Damping Rods smaller than 17mm - drill 6mm (¼”) holes.

New holes should be spaced lengthwise above the existing holes at **10 mm (7/16") increments**. Place each set of two holes 90 degrees from the last set so the strength of the rod is maintained.

See online instructions for Anti-Dive forks. The holes will be above the bottoming cone.

5 STEP

FORK SPRING PRELOAD

In this example: 18 – 11 = 7mm
Adjust with spacer length or washers
Details online

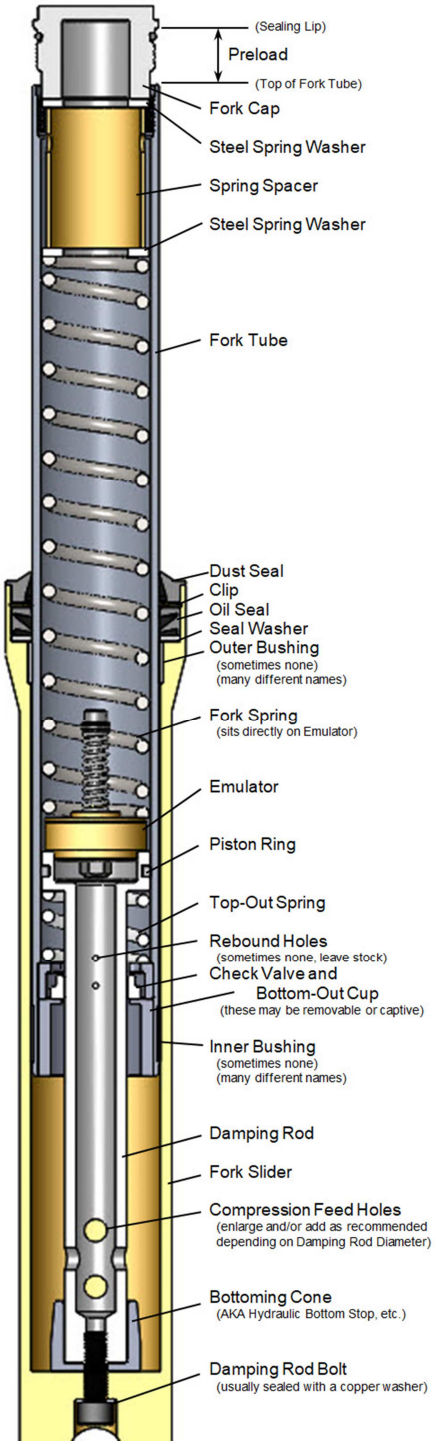
6 STEP

SET THE OIL LEVEL

Make sure:

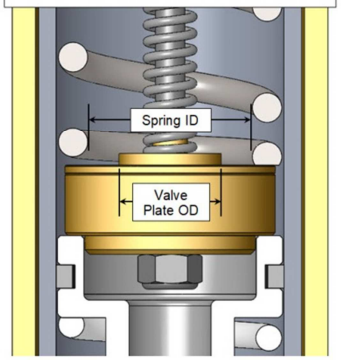
1. The Fork Spring is out
2. The Emulator is in, completely submerged
3. The fork is fully bled by pumping them slowly
4. The fork is fully bottomed
5. Measure from the top of the fork tube down to the top of the oil

STANDARD CUPPED-TOP



Valve Plate to Spring ID Clearance

4mm Minimum



SIZING CIRCLIP

check if required
some models

NON-CUPPED TOP

Requires Adapter
See online instructions for your model
Some models require machining