

Inspecting and rebuilding the

# Forge Motorsport

## Diverter Valve (models DV006/ 7P)

This guide presumes that you have already removed the valve from the vehicle.

### DV006

#### Step 1



Ensure that you have a clean level working surface

#### Step 5



With the dis-assembly completed, wipe all the components clean with a soft tissue or cloth

#### Step 2



Carefully remove the Allen Cap screws – be aware that the top will spring apart if not restrained

#### Step 6



Before re-assembly (reversal of the previous procedure) lubricate the piston and "O" rings with a high temperature grease such as Mobil 1

#### Step 3



With the top removed you can remove the spring and piston from the valve body and .....

#### Step 7



Ensure that the piston moves freely within the body of the valve

#### Step 4



.... Remove the "O" rings from the top of the valve

#### Step 8



Locate all screws and tighten in a diagonal pattern so that the two parts are drawn together evenly.

## DV007P Additional notes

The DV007 differs from the DV006 in that the top is threaded onto the body of the valve rather than bolted and the "O" rings are within the lower body rather than the top half of the valve. The following steps are slightly different from the above.

### Step 2



To remove the top of the valve carefully unscrew the top.

### Step 5



Dis-assembly complete. Carefully clean all the parts with soft tissue or cloth

### Step 4



Remove the "O" rings from the body of the valve

### Step 7



Check that the piston travels freely within the body of the valve before screwing the top back on.

## Simple leak testing of the valve DV006 & DV007P



A simple test that you can perform on your valve is to use a pen and push the piston of the valve upwards against the spring to ensure that it moves without restriction.

Then with the piston pushed fully up, ie with the spring compressed, place your finger over the top nipple to form a seal.

Now remove the pen, keeping your finger in place. The piston should remain in place until you remove your finger from the nipple, at which point the piston will travel back.

If this fails to occur please check your assembly.

If you require further help contact:

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