



Assembly instructions for the Forge type RS valve

The RS valve can be configured to suit many applications in either re-circulating or atmospheric mode. In order to make this possible a single or dual piston is supplied along with interchangeable side and base fittings.

Assembly for use as an Atmospheric / Blow off valve :

Firstly identify the parts required. You will need

The main body of the valve.



The spring top plate and the spring



Then from the side connectors select the bell mouth / trumpet



For the base connector you will need to select the appropriate diameter to suit your application.



The normal choice of piston for an atmospheric valve would be the twin piston, but if required for a specific application the single piston can be installed.



The assembly of the Blow off valve is as per the diagram below.



Screw the side bell mouth trumpet into the valve body

Please ensure the top preload adjuster is wound fully anti-clockwise (out) prior to assembly.



Assemble the spring top plate onto the spring. The smaller diameter end of the spring fits into a recess in the spring top plate.

The larger diameter end of the spring is located inside the piston

Dual or twin piston shown

Bottom or base pipe connector.

The barrel of the valve has been pre-greased to allow the parts to be inserted and the base screwed into place.

Assembly for use as a Re-circulating valve :

Firstly identify the parts required. You will need

The main body of the valve.



The spring top plate and the spring



Then from the side connectors select the appropriate diameter to suit your vehicle



For the base connector you will need to select the appropriate diameter to suit your application.



For all recirculation applications the single piston should be installed.



The assembly of the Re- Circulation valve is as per the diagram below.



Screw the side pipe into the valve body

Please ensure the top preload adjuster is wound fully anti-clockwise (out) prior to assembly.

Assemble the spring top plate onto the spring. The smaller diameter end of the spring fits into a recess in the spring top plate.

The larger diameter end of the spring is located inside the piston

Single piston shown

Bottom or base pipe connector.

The barrel of the valve has been pre-greased to allow the parts to be inserted and the base screwed into place.

Additional notes:

When installing the valve as a blow off or atmospheric application it will be necessary to blank off the return hose (to the intake) if a recirculation valve has previously been installed. For this purpose we have included 25, 28 and 34 mm blanking plugs.



The valve vacuum connector can be rotated through 360 degrees to enable the ease of installation.

The spring preload adjuster should have been wound fully anti- clockwise (out) prior to assembly. Rotating this adjuster clockwise will increase the spring preload and subsequently increase the vacuum pressure required before the valve will open.

Do not attempt to disassemble the preload adjuster and multi position vacuum connector as this will invalidate the warranty. If these parts require service please return the complete valve directly to Forge Motorsport who will carry the work out free of charge under the Forge warranty.