

Casa Performance

SSR265
SCUDERIA **SSR250**

INFO FOR FITTING METEOR 32MM COMPRESSION HEIGHT PISTONS TO ENGINES THAT HAVE WOESSNER 30MM COMPRESSION HEIGHT PISTONS

DIFFERENT PISTONS

The first batch of SSR250 & SSR265 Scuderia engines were fitted with Woessner pistons and these have a compression height of 30mm. If you want to change the piston on one of these engines there is a simple upgrade with a different make of piston. All current SSR pistons are now manufactured by Meteor and these are slightly different in that they have a compression height of 32mm.

ASSEMBLY NOTES FOR METEOR PISTONS

The new Meteor pistons will require a 2mm thick packing plate adding under the cylinder barrel to compensate for the difference of the compression heights between the old and new pistons. After removing your cylinder, measure the thickness of the base gasket(s) and divide this up using the thicknesses of the new supplied gaskets.

Example: if your old base gasket is 0.5mm thick, use one 0.2mm gasket on one side of the new packing plate and a 0.3mm gasket on the other side of the packing plate. The combined thicknesses of the two new gaskets are 0.5mm i.e. the same total thickness of the old 0.5mm gasket. Use a good quality sealant, such as [Threebond](#) on all gasket surfaces during assembly.

REQUIRED SQUISH CLEARANCE

The required squish clearance on a SSR engine should be between 1.3 -1.5mm, with the larger measurement more suited to a touring set-up. **IMPORTANT: when measuring the squish, this must be done with a piece of soft solder that is placed along the entire length of the piston crown IN A POSITION THAT IS IN LINE WITH THE GUDGEON PIN.** Please see the pic below. Poking a small piece of solder through the plug hole is not accurate enough.



AVAILABLE PARTS

[X228/S](#) Complete gasket set* + 2mm aluminium packing plate

[X231/AA](#) Complete 70mm piston kit for SSR250 + SSR265 Scuderia (A Grade) 32mm compression height

*The complete gasket set consists of the following:

- 1 x X228a Cylinder base (aluminium) gasket SSR / SST (thickness 0.1mm)
- 1 x X228b Cylinder base (aluminium) gasket SSR / SST (thickness 0.2mm)
- 1 x X228c Cylinder base (aluminium) gasket SSR / SST (thickness 0.3mm)
- 1 x X228d Cylinder base (paper) gasket SSR / SST (thickness 0.4mm)
- 1 x X228e Cylinder base (paper) gasket SSR / SST (thickness 0.5mm)
- 1 x X228f Cylinder base (paper) gasket SSR / SST (thickness 0.75mm)
- 2 x X228g Reed valve gasket
- 1 x X229 Exhaust Gasket



If you require any further information please contact your supplying dealer or RLC directly :

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