



RELIANT S.U. NEEDLES

THE INFORMATION BELOW COMES FROM A QUESTION ANSWERED BY THE PRACTICAL MOTORIST MAGAZINE, SEPTEMBER 1991.

The questioner writes that he has been experiencing problems with the SU HS2 carburettor fitted to his Robin, and asks... Which needle is the correct one? ~~AAC~~ or AAT.

What would the AAT do with regards to MPG and performance, as compared with the AAC?

Are there any other needles you can suggest for optimum MPG?.

Practical Motorist answers...

Six variations of the HS2 carburettor were fitted to Robin and Kitten models over the years.

The different carburettors are identified by a metallic tag attached to the float chamber, and the needles used are :-

CARBURETTOR	NEEDLE
FZX1027	AAC
FZX1253	AAC
FZX1275	AAT
FZX1292	ABS
FZX1294	AAT
FZX1351	AAT

It is not easy to compare needle profiles, the needles are machined to a tolerance of 0.0001in. and can be measured at any one of 13 different points on their profile.

The AAT needle is richer than the AAC at low speed, but goes weaker from medium to high speed.

The ABS is generally richer than both the AAT and AAC except at very high speeds.

However, without access to a rolling road, it is generally best to stick with the standard needle.

