

SNZ Engine Sealing

Engine Capacity **BLUE** Seals

The following classes require engines to be measured for engine size (Cubic Capacity) and sealed prior to obtaining a CVI inspection and competing at a SNZ Licensed track:

- Sidecar – as per rule T9-2-4 (b)
- Minisprint – as per rules T10-4-3 (h) and T10-4-4 (l)
- Super Saloon – optional as per rule T11-1-40 (b)
- Saloon – as per rule T11-2-40 (b)
- Superstocks – as per rule T12-1-39 (b)
- Stockcars – as per rule T12-2-39 (b)
- Streetstocks – as per rule T13-1-21 (b)
- Modifieds – as per rule T11-3-10 (k)
- Quarter Midgets – as per rule T10-8-3 (f)
- Ministocks – as per rule T15-1-24 (g)
- Six Shooter – as per rule T10-6-2 (s)
- Modified Sprint – as per rule T10-7-1 (u)

A list of SNZ Approved Engine Sealers is available via the Technical section of the SNZ website. Head Scrutineers are also approved to measure and seal engines, please contact the Steward at your local track to arrange this.

Procedure:

You must present your engine to the SNZ Approved Sealer with the Cylinder Head off, Sump on and pre-drilled ready for sealing.

The vehicles log book **must** accompany the engine so the data can be recorded by the approved sealer.

The Bore and Stroke is measured and by using the calculation as per rule **E3-3-2**, the cubic capacity can be calculated.

Assuming the engine is compliant then two **blue** engine seals **must** be attached to the sump, one in the front and one in the rear or one on each side of the sump length wise. The SNZ Approved Sealer **must** fit the seals.

It is not permitted for competitors to fit their own seals.



Compression Ratio **RED** Seals

The application of **RED** seals is optional.

Competitors can request a Compression Ratio check at the same time measuring for capacity takes place. A SNZ Tech Steward must be present to verify and/or perform this measurement.

The data is entered into the approved Columbus method software package where the compression ratio will be calculated.

Assuming the Compression Ratio is complaint the head must then be re-assembled in the presence of the SNZ Tech Steward before the SNZ Approved **Red** seals are applied.

SNZ Seal ID Numbers and Compression Ratio measurements **must** then be entered into the vehicles log book.

Note:

Not all SNZ Approved Engine Sealers can carry out Compression Ratio measuring. A SNZ Tech Steward **MUST** be present throughout the entire measuring process.

Application of SNZ Approved **Red** seals **only** determines the Compression Ratio has been calculated, no further compliance checks are completed during this procedure.