

CEMC Engine Sealing Procedure

3rd Category – Touring Cars, Group 3E – Circuit Excel

The Sealing of Existing / Second Hand Engines

The requirement of the sealing of an existing / second hand engines is to have 2 seals placed by an appointed Engine Sealer using the appropriate sealing sheet for existing / second hand engines. The seals need to be placed on these locations:

1. TIMING / OIL PUMP COVER
2. CAMSHAFT SADDLE

Engine assembly and sealing Process:

The intent of this process is that the engine can be sealed whilst in the car.

- 1) Installation of seals to Inner Cam bolts (chain end) to be drilled 2mm as per Cam sealing photo (1 x Seal).
- 2) Installation of timing / oil pump cover seals is to have two of the pump cover bolts drilled out to 2mm from the left hand side of the engine.

A Sealer may instruct owner to drill the bolts out prior to sealing to aid the installation of the seal and the process.

Checks performed at time of engine sealing will consist of.

- 1) Inspection of throttle body
- 2) Check of Engine Number, confirmation that engine is of the correct G4FK series.
- 3) Check/Inspection of head casting markings to ensure that head is of correct engine series and not a later series head with improved port/valve characteristics.

The intent of engine sealing of this type is to ensure engine is sealed such that engine may be checked for eligibility at any stage during competition and the findings of such checks will be proof of compliance / non-compliance to the regulations for all events entered since the engine was sealed. Findings of irregularities at any inspection may result in sanctions that may include, but not limited to disqualification from currently entered event, exclusion from association or state championship or deduction of points received from events previously entered with the same sealed engine.

A “Circuit Excel Sealing Sheet – Existing / Second Hand Engines” shall be used to record the findings of the inspection and unique numbers of the engine seals applied by the engine sealer. The numbers of the engine seals applied shall also be recorded in the Vehicle Log Book “Change of Details” page. It is the Competitors responsibility to provide a copy of the sealing sheet to the Category Eligibility officer and to retain their copy and produce if requested by a CAMS official.

It is recommended by CEMC that each State club setup a Dropbox or Cloud drive where all Engine Sealing documents can be collated. The Engine Sealing form can be filled out on a Desktop or Laptop computer and digitally signed to avoid scanning and transformation into a document.

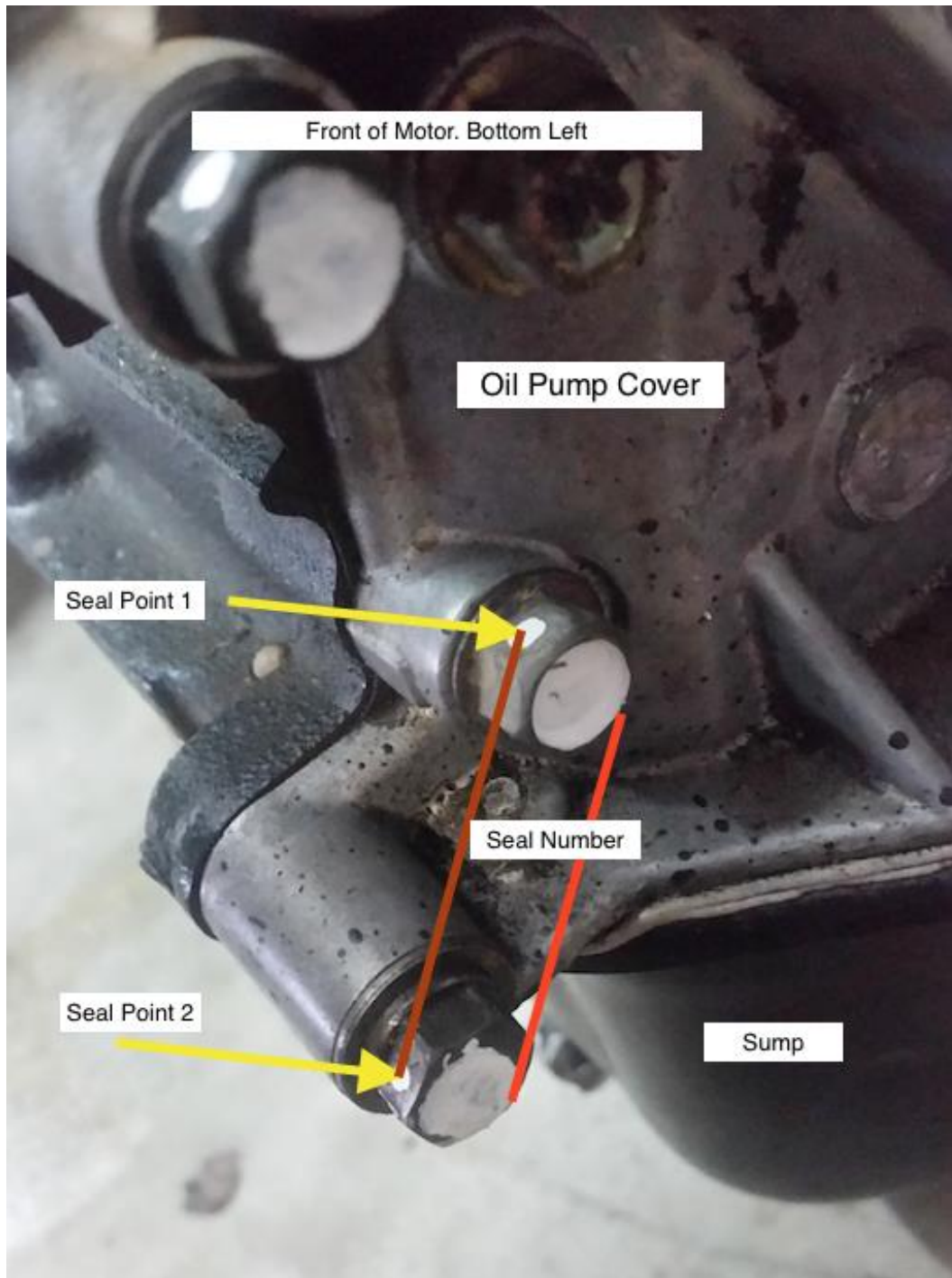
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Engine Seal Locations:

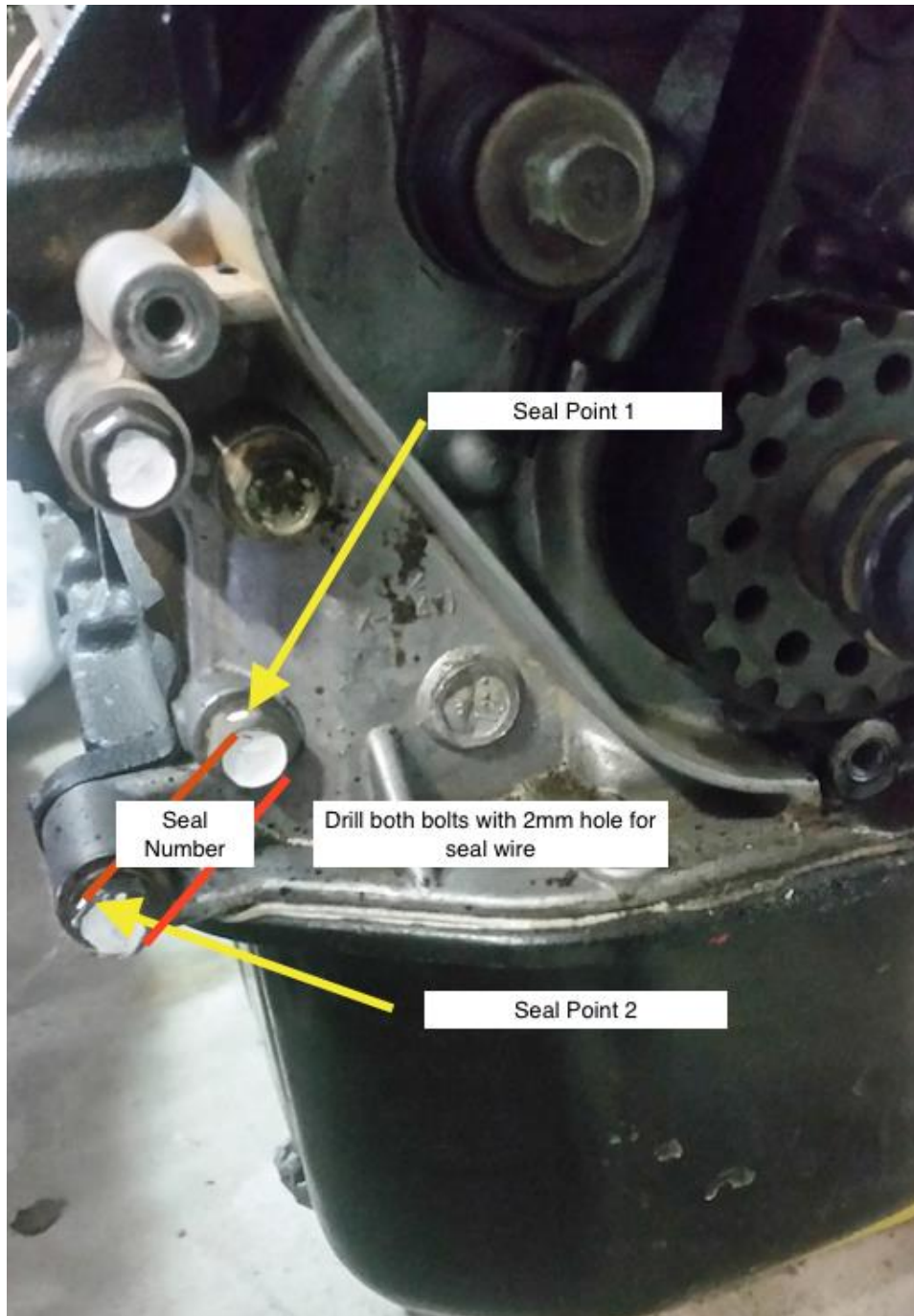
2. TIMING / OIL PUMP COVER SEAL



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Engine Seal Locations:

2. CAMSHAFT SADDLE SEAL

