



Series X3 Queensland Inc. instruction regarding engine sealing to meet the requirements of 3RD CATEGORY – TOURING CARS, GROUP 3E – CIRCUIT EXCEL by 1/01/2018

It is the responsibility of the 3E Circuit Excel CAMS logbook owner to contact and book an appointment with the CAMS approved sealer at an appropriate time to suit both parties. Approved component sealers are listed in Appendix 5 below.

CAMS approved component sealer signs “Circuit Excel Sealing Sheet” at completion of engine inspection. It is the logbook owner’s responsibility to retain their copy and produce if requested by a CAMS official.

**Engine assembly Logbook Owner:**

1. The engine sealer will check various engine components during your engine assembly. Components checked would include, but not limited to: crankshaft (excessive machining), conrods and pistons, bore, stroke, castings, valves, cylinder head and ports, timing components. **NOTE:** Bead blasting or similar process and additional machining is not permitted.

2. Ensure engine is ready for assembly, Block can have crank assembled with #1 to #3 pistons attached, #4 piston and conrod removed and checked prior to assembly to crank.

3. Inner Camshaft retaining bolts (chain end) drilled 2mm as per Cam sealing photo (1 x Seal). **Note:** The cylinder head should be off, fitted with all valves, springs, and retainers, camshafts to be separated from head, to allow for checks and measurement, engine sealer will ask for inlet/exhaust valves of his choice to be removed for checking and measurement.

4. Cylinder head (2 x Seals) and sump (2 x Seals) sealing holes can be drilled under instruction from CAMS approved sealer at time of engine assembly.

5. All gaskets and sealing products to be on hand, along with 2mm drill bits and hand drill.

**ELIGIBILITY**

- (a) Any Hyundai Excel X3 model manufactured by Hyundai Motor Company between 1 July 1994 and 31 June 2000 and sold in Australia is eligible.
- (b) Each engine and transmission shall be sealed prior to the commencement of any competition. Each seal shall be affixed only by a person as detailed in Appendix 5. This shall not prohibit the addition of a seal by an event official for judicial or scrutiny purposes. The presence of a seal will not protect the car from being subject to a protest, or from examination by scrutineers.

**NOTE:** This shall be a progressive requirement apply to each automobile by 1 January 2018

## Appendix 5

**Approved component sealers (to be approved by each Circuit Excel State Association)**

<b>Queensland</b>	Shane Beikoff	0418 722 156	<b>South Australia</b>	Fred Severin	0418 850 826
<b>New South Wales</b>	TBA		<b>Western Australia</b>	TBA	
<b>Victoria</b>	John Mahncke	0418 987 974	<b>Tasmania</b>	TBA	