

Technical Department

NZRC SUPPLEMENTARY TECHNICAL REPORT

1. Vehicle and Competitor Details:

Car	Mazda 2 AP4 Plus	Driver;	Andrew Hawkeswood
Chassis No.	MM0DJ2HA60W100204	Licence No.	936724X
Logbook	21394	Inspection venue:	Force Motorsport, Whitford
		Inspection date:	19 April 2017

2. Report Details:

Permission was requested by Force Motorsport, Whitford, Auckland to break the engine cylinder head seals on the vehicle detailed above for the purpose of maintenance prior to Round Two of the NZRC.

The Mazda 2 AP4 Plus Rally Car currently has earned Championship Points in Class 1 of the 2017 NZRC. Under the prescriptions of the 2017 NZRC Portfolio, the minimum weight for competing Class 1 cars is determined by engine capacity and is declared for each car prior to the first Round entered. As the car has currently earned Championship Points it is considered appropriate that the declared engine capacity be confirmed by physical inspection prior to dismantling.

3. Inspection details:

- a) The 'C' Type Seals applied to the cylinder head were confirmed intact and the serial numbers identified as PA-210-A and PA-212-A. These numbers match the serial numbers recorded in the Championship Seal Register and also the seal details recorded in the Vehicle Logbook.
- b) The seals were subsequently broken and the cylinder head was removed.
- c) The exposed surfaces were lightly cleaned to remove loose debris and the engine 'Top Dead Centre' was identified using a factory Mazda Special Service TDC Stop Tool.
- d) The Stroke was measured using a Vernier Depth Gauge and recorded
- e) The bore was measured at the cylinder head surface using a Vernier Calliper and recorded
- f) The cylinder swept volume was calculated and converted into total engine capacity.

4. Inspection Result:

The engine inspection confirms that the uncorrected engine capacity (combined swept volume) for the vehicle detailed above is 1779.2cm³.

The inspection was carried out by Dave Robb, MSNZ Technical Officer Licence No. 912044Y.



Terry Carkeek
Series Scrutineer
NZRC
18 April 2017