

## DYNAMOMETER DECLARATION OF PROCEDURE CONFORMANCE

The following instructions are to aid a consistent procedure setting up a car on at nominated MAHA MSR500 dynamometer operators and issue of results. After testing operator and presenter of the car should date and sign.

1. Provide a scanned copy of the operator disclaimer signed and dated by the car owner or presenter. Countersigned by the operator to declare dynamometer calibrated within 12 months of the test.
2. Check and record Tyre pressures (in PSI).
3. Check Coolant and Engine Oil, check that there is nothing hindering intake air or exhaust, check that the car has adequate fuel for the test (fuel grade as [section 5.15]).
4. Mount the car to the dynamometer and secure in the normal way, warm up the car and check for grip (4<sup>th</sup> gear, full throttle against the dynamometer set with a constant speed of 62mph (100Kph)), ballast passenger side if necessary, this will not affect power measurements.
5. Perform three full power tests in 4<sup>th</sup> gear, target acceleration of 1.6 m/s<sup>2</sup>. Please ensure RPM calibration is carried out precisely @ 5000rpm, please ensure full power **test is carried out at full throttle to rev limiter** in every case, this ensures fair play and organisers/scrutineers can ensure that gear and final drive ratio's are as they should be as well as engine power. Note maximum engine rpm [section 5.7.1].
6. Store results locally and email [themorganchallenge@gmail.com](mailto:themorganchallenge@gmail.com) where they will be uploaded to Google Drive, both in PDF (Print to PDF), and LKD (dynamometer's own measurement file format for MAHA analysis), please use **British imperial measurement formats mph, BHP, Lbf**.

VEHICLE: .....

DATE: .....

OPERATOR NAME: .....

SIGNED: .....

PRESENTER NAME: .....

SIGNED: .....