Snetterton

NOISE TESTING INFORMATION

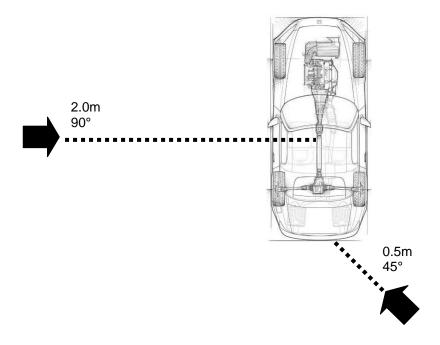
Only those MSV personnel who are appointed and trained as Noise Testers are permitted to carry out noise checks.

Noise meters must be fitted into their specific cradle when in use. This will help maintain accuracy in terms of both the 0.5m distance and the 45° angle.

Noise meters must be calibrated at least once a week and records must be kept of the calibration dates and results. If a meter fails to calibrate accurately it must not be used.

CARS

Static Noise Testing of Cars



All measurements will be taken at a distance of 0.5m from the end of the exhaust pipe with the microphone at exhaust outlet level at an angle of 45°.

The noise meter should be between 0.5m and 1.0m from the ground.

Measurements should be taken in open space, at least 3.0m from large objects and in an environment remote from other noise sources. Background noise must be a minimum of 10 decibels below the expected reading.

The noise limits for car test days are as follows:

• Saloon and Sports Cars - 105dB(A) Static to MSA Regulations

• Single Seater & Sports Racing Cars - 108dB(A) Static to MSA Regulations

The types of cars are defined as follows:

Saloon Cars Cars based on homologated road going saloons which are normally

equipped with a minimum of 4 seats, an integral non-detachable roof,

and a minimum of 2 doors.

Sports Cars Cars based on homologated road going vehicles with a minimum of 2

seats, 2 doors and either a detachable or non-detachable roof.

Single Seaters A symmetrically constructed vehicle with a single driver's seat and

open wheels.

Sports Racing Cars Single seater open or closed racing car, built for the sole purpose of

racing on a circuit.

Drive-by Noise Testing of Cars

The noise limit for **car track days** is as follows:

All cars
92 dB(A) drive-by @ 20m

MOTORCYCLES

Static Noise Testing of Motorcycles

The noise limit for motorcycle test days is as follows:

• All solos or sidecars - 105dB(A) Static to ACU regulations

All static tests must be carried out at engine speeds (rpm) determined by cross-referencing the machine's engine type to the table below.

	1 cylinder	2 cylinder	3 cylinder	4 cylinder
250cc (4 stroke)	5500 rpm	8500 rpm		
400cc (4 stroke)	5000 rpm	6500 rpm	7000 rpm	8000 rpm
600cc (4 stroke)	5000 rpm	5500 rpm	6500 rpm	7000 rpm
750cc (4 stroke)	5000 rpm	5500 rpm	6500 rpm	7000 rpm
Over 750cc (4 stroke)	4500 rpm	5000 rpm	5000 rpm	5500 rpm
125cc (2 stroke)	7000 rpm			
250cc (2 stroke)		7000 rpm		
500cc (2 stroke)		5000 rpm	7000 rpm	7000 rpm

Drive-by Noise Testing of Motorcycles

The noise limit for **motorcycle track days** is as follows:

• All solos or sidecars - 92 dB(A) drive-by @ 20m