BALANCE OF PERFORMANCE for GT3 and GT4 cars:

SILVERSTONE

These balance of performance measures are the result of the tests, research, analysis and projections performed by SRO Ltd and are the sole property of SRO Ltd. Other series promoters, race organisers and national sporting authorities cannot use all or part of them without SRO Ltd's prior written consent. Any contravention will result in a legal action.

Balance of Performance
FIA GT3 Specification

Make	FIA GT3 Homologation	Model	Min Weight	BOP Ballast	Total Weight without driver weight	Engine Restrictor size mm	Min RH Front mm	Min RH Rear mm	Lambda Fixed	Comments
Aston Martin	GT3-051	AMR Vantage GT3	1285	**10**	**1295**	**none**	53	53	0,91	Max Pboost see table
BMW	GT3-053	M4 GT3	1265	**45**	**1310**	**none**	82,5	81,5	1.10	Max Pboost see table
Lamborghini	GT3-054	Huracan GT3 EVO2	1250	**75**	**1325**	**1 x 51**	70	128	0.91	
McLaren	GT3-052	720S GT3 EVO	1205	**90**	**1295**	**none**	65	70	0.88	Max Pboost see table
Mercedes	GT3-042	AMG GT3	1285	**60**	**1345**	**2 x 34,5**	81	87	0.93	Max front static camber -4°
Porsche	GT3-050	911 GT3-R (991.II)	1235	**40**	**1275**	**2 x 41,5**	70	124	0,88	
Porsche	GT3-055	911 GT3-R (992)	1250	**35**	**1285**	**2 x 39,5**	96	120	0,89	

1.1 Additional weight must be installed in accordance with article 257A
1.2 Technical drawings of air restrictors for FIA GT3 cars are registered with FIA. Only restrictors in compliance with this registration are allowed
1.3 Use of catalytic converter compulsory
1.4 Aero devices can not be covered by tape or paint.
1.5 The SRO Sporting Board is allowed to modify any parameter required to establish the balance of performance.
1.6 Engine reference data (iA, Lambda, Fuel inj, Cam In/Out, airbox pressure) and other info (acceleration rates, spark plugs/ airbox filter, engine oil,…) is collected during BOP tests and will be used for checks. If noted differently in comments the (e.g. iA, Lambda, Fuel inj, Cam In/Out, airbox pressure) is set as reference.
1.7 Max rear camber -3,5°
1.8 1.10 For the following cars : BMW M4 GT3, Ferrari 296 GT3, Lamborghini Huracan GT3 EVO2, Porsche 911 GT3 R (992), only the springs registered with SRO can be used.

Balance of Performance
FIA GT3 2018 Specification
Pboost Limits table for Turbo cars

Engine speed	Aston Martin Vantage AMR GT3	McLaren 720S GT3 EVO	BMW M4 GT3
RPM	Pboost ratio @ rpm @ Lambda	Pboost ratio @ rpm @ Lambda	Pboost ratio @ rpm @ Lambda
4000	1.54 @ 0.91	1.78 @ 0,88	2.35 @ 1.10
4250			2.42 @ 1.10
4500	1.66 @ 0.91	1.76 @ 0,88	2.48 @ 1.10
4750			2.50 @ 1.10
5000	1.79 @ 0.91	1.73 @ 0,88	2.52 @ 1.10
5250			2.56 @ 1.10
5500	1.81 @ 0.91	1.72 @ 0,88	2.61 @ 1.10
5750			2.65 @ 1.10
6000	1.83 @ 0.91	1.65 @ 0,88	2.68 @ 1.10
6250			2.71 @ 1.10
6500	1.82 @ 0.91	1.55 @ 0,88	2.62 @ 1.10
6750	1.80 @ 0,91		2.52 @ 1.10
7000	1.79 @ 0.91	1.46 @ 0,88	2.40 @ 1.10
7250	1.37 @ 0.91		2.23 @ 1.10
>/7500		1.40 @ 0,88	2.10 @ 1.10
8000		1.34 @ 0,88	
8100		1.10 @ 0,88	

1 Notes on boost control :

- Values are boost pressure ratio and need to be multiplicated by the ambient pressure to get the Pboost limit.
- Competitors must adjust boost pressure relative to ambient pressure at each event
- Pboost limits linear interpolation approach / Control of Pboost strategy see further.

2.Control of Pboost strategy via SRO DL1 Datalogger and pressure sensors:

IF
- Throttle is > 30% open AND
- RPM is > 3000 AND
- Longitudinal Acceleration is increasing or constant or >/0 AND
- OVERBOOST > “Limit + 10 mbar” is recorded for more than 50ms

THEN
- Flag and report to the stewards

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Balance of Performance
SRO GT4 CARS

SRO MOTORSPORTS GROUP

Make	Model	Min Weight kg	BOP Ballast kg	Total weight	Ride Height Front	BOP extra mm	Ride Height Rear	BOP Extra mm	Comments
Aston Martin	Vantage AMR GT4	1445	+40	1485	93	+15	102	+5	SRO 2020 MAP 2 ECU MAP BOP 2020
BMW	G82 M4 GT4	1480	+10	1490	138,90	+11,10	149,50	+10,50	MAP: 5 LT: +2
Ford	Mustang GT4	1490	+15	1505	102	+5	203	+0	Restrictor 63 mm ECU MAP BOP 2020
Ginetta	G56 GT4	1300	+25	1325	60	+20	60	+10	Restrictor 46 mm
McLaren	570S GT4	1425	+15	1440	77	+0	90	+0	2019 MAP ECU MAP BOP 2020
McLaren	Artura GT4	1320	+50	1370	77	+15	98	+10	MAP SRO Restr 4
Mercedes	AMG GT4	1400	+40	1440	93	+15	96	+5	Power Level 2 MAP 2019 ECU BOP 2020
Porsche	718 Cayman GT4 RS Clubsport	1330	+60	1390	97	+10	100	+10	Restrictor 53,7 mm ECU BOP MAP 2022

Remarks :
-Additional BOP Ballast must be installed according to the GT4 Technical Regulations
-ECU BOP maps are saved in the dataloggers for scrutineering.
- GT4 Cars are only eligible if presented with GT4 homologation file and SRO GT4 Certificate
- SRO GT Bureau can use any parameter for BOP purposes and can change the BOP of any car at any moment during the event.
- Engine reference data (iA, Lambda, Fuel inj, Cam In/Out, airbox pressure) is the one collected during BOP tests and will be used for checks.
If noted differently in comments the (e.g. iA, Lambda, Fuel inj, Cam In/Out, airbox pressure) is set as reference.
- Turbo cars without adaptable pboost need to add +15kg per 20 mbar ambient pressure delta under 1010mbar, this means + 15 kg at Patmo of 990mb, +30 kg at Patmo of 970 mbar and +45 kg at Patmo of 950 mbar
- BMW M4 GT4 G82 adapt at Patmo via LT. Reference is 1000 mbar, -1 LT must be applied per -20 mbar Patmo, this means -1 LT at Patmo of 980mb, -2 LT at Patmo of 960 mbar and -3 LT at Patmo of 940 mbar. +1 LT to be added per +15 mbar on reference, +1 LT at 1015mbar; +2 LT at 1030 mbar.
- Max static rear camber – 3,5°