



## IMSA TECHNICAL BULLETIN IWSC #18-35

To: All IMSA WeatherTech SportsCar Championship Competitors

From: IMSA Competition

Date: 12 July 2018

Re: 20180712 Lime Rock Balance of Performance Tables

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In accordance with Attachment 2 of the IMSA WeatherTech SportsCar Championship SSR, the following adjustments are made to the indicated cars. The column listed as current is the current specification after the adjustment is applied and thus the required specification for the event. These decisions come into immediate effect and are applicable until further notice.

IMSA has determined the values listed in all tables based upon Manufacturer submitted data and IMSA's data analysis.

GTLM		Vehicles		Mass		Engine				Rear Wing		Fuel				Notes
Manufacturer		No Fuel/Driver (kg)		Restrictor (mm)			Boost Ratio	Maximum RPM	Min Angle (deg)	Gurney Minimum Height (mm)	Type	Minimum Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)	
		adj	current	qty.	adj.	current	current	current	current	current		λ	adj	current		
Issued: 20180721 IWSC Lime Rock				Bulletin: TB 18-35			Date: 7/12/2018									
BMW	M8 GTE	0	1220				See Table	7000	N/A	5.0	E20	1.08	+1.0	92.0	34.0	
Corvette	C7R GTE	0	1240	2	0.0	31.5		6800	N/A	10.0	E20	0.88	0.0	92.0	34.0	
Ferrari	488 GTE	0	1265				See Table	7000	N/A	10.0	E20	1.10	0.0	87.0	34.0	
Ford	GT GTE	0	1265				See Table	7200	N/A	15.0	E20	0.90	0.0	89.0	34.0	
Porsche	911 RSR GTE	0	1250	2	0.0	31.5		9500	N/A	10.0	E20	0.89	0.0	96.0	34.0	

BMW M8 GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.230
2500		1.410
3000		1.970
3500	0.010	2.210
4000	0.010	2.210
4500	0.018	2.223
5000	0.022	2.097
5250	0.024	2.021
5500	0.025	1.944
5750	0.026	1.878
6000	0.027	1.811
6500	0.027	1.751
6750	0.029	1.628
7000	0.029	1.488
7500	0.035	1.225
7600		1.000

Ferrari 488 GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.784
4000		1.784
4800		1.768
5000		1.764
5150		1.761
5300		1.759
5500		1.753
5700		1.742
5950		1.718
6050		1.701
6150		1.680
6300		1.646
6600		1.571
7000		1.473
7500		1.349
7600		1.000

Ford GT GTE

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.528
4200		1.528
4900		1.527
5100		1.526
5300		1.522
5400		1.517
5500		1.510
5800		1.481
5950		1.460
6050		1.448
6150		1.437
6300		1.421
6600		1.392
7200		1.312
7700		1.251
7800		1.000

GTD Vehicles		Mass		Engine					Ride Height		Fuel				Notes			
Manufacturer		No Fuel/Driver (kg)		Restrictor (mm)			Boost Ratio	Maximum RPM		Minimum Ground Clearance (mm)		Type	Minimum Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)		
		adj	current	qty.	adj	current		adj	current	adj	current		λ	adj	current			
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Acura	NSX GT3	0	1320				See Table	0	7500	0	50.0	IMSA 100	0.85	0.0	107.0	40.0		
Aston Martin	V12 Vantage GT3	0	1290	2	0.0	41.5		0	7700	0	50.0	IMSA 100	0.90	0.0	108.0	40.0		
Audi	R8 LMS GT3	0	1320	2	0.0	40.0		0	8500	0	50.0	IMSA 100	0.91	0.0	96.0	40.0		
BMW	M6 GT3	0	1305				See Table	0	7250	0	50.0	IMSA 100	0.92	0.0	104.0	40.0		
Ferrari	488 GT3	0	1345				See Table	0	7500	0	50.0	IMSA 100	0.92	+2.0	94.0	40.0		
Lamborghini	Huracan GT3	0	1300	2	0.0	39.0		0	8500	0	50.0	IMSA 100	0.91	0.0	95.0	40.0		
Lexus	RC F GT3	+15	1380	2	0.0	39.0		0	7200	0	50.0	IMSA 100	0.86	0.0	99.0	40.0		
Mercedes	AMG GT3	+10	1390	2	0.0	36.0		0	7500	0	55.0	IMSA 100	0.88	0.0	101.0	40.0		
Porsche	911 GT3 R	0	1285	2	0.0	43.0		0	9500	0	50.0	IMSA 100	0.88	0.0	92.0	40.0		

Acura NSX GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.765
4000		1.765
4500		1.768
5000		1.815
5500		1.880
6000		1.986
6200		2.015
6300		2.025
6400		2.028
6500		2.026
6600		2.021
6700		2.010
6800		1.993
7000		1.960
7500		1.900
7800		1.000

BMW M6 GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.627
3000		1.839
4000		2.000
4500		2.054
4750		2.075
5000		2.095
5250		2.063
5500		2.029
5750		1.971
6000		1.938
6250		1.897
6500		1.866
6750		1.776
7000		1.715
7250		1.640
7550		1.000

Ferrari 488 GT3

Engine Speed	Boost Ratio	
	adj	current
[rpm]		
2000		1.424
4000		1.424
4500		1.479
4750		1.511
5000		1.548
5250		1.588
5500		1.627
5750		1.657
6000		1.666
6250		1.658
6500		1.624
6750		1.580
7000		1.539
7250		1.494
7500		1.453
7800		1.000