

IMSA TECHNICAL BULLETIN IWSC #16-07

To: All IMSA WeatherTech SportsCar Championship Competitors

From: IMSA Competition

Date: 18 December 2015

Re: Daytona ROAR Balance of Performance Tables

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.

P	Vehicles		Mass		Engine				Aerodynamics		Fuel				Notes			
	Manufacturer		No Fuel/Driver (kg)		Make	Volume (L)	Turbo/NA	Restrictor (mm)			Boost Ratio	Body	Type	Tank Capacity (L)		Refueling Restrictor (mm)		
			adj	current				qty.	adj	current				current		adj	current	adj
Event: 20160108 IWSC Daytona ROAR			Bulletin: TB 16-007			Date: 12/18/2015												
BR Engineering	BR01	0	TBD	Nissan	4.5	NA	1	0.0	42.3		Le Mans	IMSA100	0	TBD	0.0	TBD		
Corvette	Coyote/Dallara/Riley	0	1039	Chevrolet	5.5	NA	2	0.0	32.8		Daytona	IMSA100	0	70.0	0.0	33.0		
DeltaWing	DWC13	0	515	Elan	2.0	Turbo				1.974	Le Mans	IMSA100	0	53.0	0.0	29.0		
Dinan	Riley	0	1039	Dinan	5.0	NA	1	0.0	74.0		Daytona	IMSA100	0	82.0	0.0	33.0		
Ford	Riley	0	1039	Ford	3.5	Turbo	2	0.0	33.2	1.670	Daytona	IMSA100	0	73.0	0.0	33.0		
HPD	ARX-04b	0	940	Honda	3.5	Turbo	2	0.0	40.0	1.678	Le Mans	IMSA100	0	76.0	0.0	33.0		
Ligier	JS P2	0	940	Honda	3.5	Turbo	2	0.0	40.0	1.678	Le Mans	IMSA100	0	76.0	0.0	33.0		
Lola	B11/80	0	900	Mazda	2.0	Turbo	1	0.0	46.2	2.567	Le Mans	IMSA100	0	TBD	0.0	TBD		

PC	Vehicles		Mass		Engine			Aerodynamics			Fuel				Notes		
	Manufacturer		No Fuel/Driver (kg)		Make	Volume (L)	Turbo/NA	Restrictor (mm)			Rear Wing Position	Type	Tank Capacity (L)			Refueling Restrictor (mm)	
			adj	current				qty.	adj	current			adj	current		adj	current
Event: 20160108 IWSC Daytona ROAR			Bulletin: TB 16-007			Date: 12/18/2015											
ORECA	FLM-09	0	910	Chevrolet	6.2	NA	None				>= P6	IMSA100	0	85.0	0.0	33.5	Rear Wing setting as specified in Technical Manual, P6: Wing = -6.8°, Flap = 22.8°

GTLM Vehicles		Mass			Engine		Rear Wing		Fuel				Notes		
Manufacturer		No Fuel/Driver (kg)			Restrictor (mm)		Boost Multiplier	Min Angle (deg)	Gurney Minimum Height (mm)	Type	Tank Capacity (L)		Refueling Restrictor (mm)		
		base	adj	current	qty.	base			current		adj	current	adj	current	
Event: 20160108 IWSC Daytona ROAR					Bulletin: TB 16-007		Date: 12/18/2015								
BMW	M6 GTLM	1245	-5	1240			See Table	3.0	5.0	E20	0	95	0.0	TBD	
Corvette	C7R GTE	1240	0	1240	2	30.1		0.0	10.0	E20	0	86	0.0	TBD	
Ferrari	488 GTE	1235	5	1240			See Table	TBD	TBD	E20	0	TBD	0.0	TBD	
Ford	GT GTE	1250	-10	1240			See Table	1.0	15.0	E20	0	95	0.0	TBD	
Porsche	911 RSR GTE	1225	15	1240	2	30.9		0.0	10.0	E20	0	85	0.0	TBD	

BMW

Engine Speed	Boost Ratio
[rpm]	
2000	2.000
3250	2.000
3500	2.041
3750	2.051
4000	2.059
4250	2.074
4500	2.089
4750	2.096
5000	2.088
5250	2.061
5500	2.020
5750	1.970
6000	1.916
6250	1.855
6500	1.765
7000	1.000

Ferrari

Engine Speed	Boost Ratio
[rpm]	
2000	1.735
4000	1.735
4231	1.722
4462	1.711
4692	1.681
4923	1.653
5154	1.672
5385	1.696
5615	1.687
5846	1.653
6077	1.617
6308	1.574
6538	1.523
6769	1.450
7000	1.407
7500	1.000

Ford

Engine Speed	Boost Ratio
[rpm]	
2000	1.610
4200	1.610
4431	1.588
4662	1.592
4892	1.601
5123	1.598
5354	1.593
5585	1.597
5815	1.557
6046	1.507
6277	1.491
6508	1.480
6738	1.462
6969	1.401
7200	1.285
7700	1.000

GTD	Vehicles		Mass			Engine			Max RPM	Ride Height		Fuel				Notes
	Manufacturer	Homologation	No Fuel/Driver (kg)			Restrictor (mm)		Boost Multiplier		Minimum Ground Clearance (mm)		Tank Capacity (L)		Refueling Restrictor (mm)		
			base	adj	current	qty.	current			adj	current	adj	current	adj	current	
Event: 20160108 IWSC Daytona ROAR						Bulletin: TB 16-007		Date: 12/18/2015								
Aston Martin	V12 Vantage GT3	GT3-032	1210	50	1260	2	40.7		TBD	0	50.0	0	90	0.0	TBD	
Audi	R8 LMS	GT3-017	TBD	TBD	TBD	2	TBD		TBD	0	50.0	0	104	0.0	TBD	
Audi	R8 LMS GT3	GT3-038	1224	56	1280	2	40.0		TBD	0	50.0	0	86	0.0	TBD	
BMW	M6 GT3	GT3-XXX	1300	0	1300			See Table	TBD	0	50.0	0	95	0.0	TBD	
Dodge	Viper GT3	GT3-036	1300	40	1340	2	39.0		TBD	0	50.0	0	103	0.0	TBD	
Ferrari	F458 Italia	GT3-029	TBD	TBD	TBD	2	TBD		TBD	0	50.0	0	94	0.0	TBD	
Lamborghini	Huracan GT3	GT3-XXX	1230	30	1260	2	39.0		TBD	0	50.0	0	89	0.0	TBD	
Porsche	911 GT3R	GT3-XXX	1220	50	1270	2	38.0		TBD	0	50.0	0	85	0.0	TBD	

BMW

Engine Speed	Boost Ratio
[rpm]	
2000	2.003
4000	2.003
4231	2.012
4462	2.052
4692	2.087
4923	2.100
5154	2.087
5385	2.054
5615	2.010
5846	1.966
6077	1.929
6308	1.900
6538	1.864
6769	1.793
7000	1.638
7500	1.000