



## IMSA TECHNICAL BULLETIN IWSC #18-22

To: All IMSA WeatherTech SportsCar Championship Competitors

From: IMSA Competition

Date: 26 April 2018

Re: 20180506 Mid-Ohio Prototype 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.

P	Vehicles		Mass		Engine					Aero	Fuel				Notes			
	Manufacturer	Model	No Fuel/Driver (kg)		Make	Volume (L)	Turbo/NA	Restrictor (mm)			Boost Ratio	Maximum RPM	Configuration	Type	Minimum Lambda	Total Capacity (L)		Minimum Full Refueling Time (sec)
			adj	current				qty.	adj	current						current	current	
Issued: 20180506 IWSC Mid Ohio			Bulletin: TB 18-22			Date: 4/26/2018												
Acura	ARX-05	0	940	Acura	3.5	Turbo				See Table	7050	See Table	E20	0.83	-2.0	71.0	30.0	
Cadillac	DPI-V.R	0	950	Cadillac	5.5	NA	2	-0.6	30.4		7500	See Table	E20	0.92	-2.0	64.0	30.0	
Dallara	P217	0	930	Gibson	4.2	NA					8750		E20		0.0	75.0	30.0	
Mazda	RT24-P	0	925	Mazda	2.0	Turbo				See Table	8600	See Table	E20	0.86	-2.0	71.0	30.0	
Multimatic Riley	Riley MK30	0	930	Gibson	4.2	NA					8750	See Table	E20		0.0	75.0	30.0	
Nissan	DPI	0	940	Nissan	3.8	Turbo				See Table	7100	See Table	E20	0.85	-2.0	75.0	30.0	
Onroak	Ligier JS P217	0	930	Gibson	4.2	NA					8750	See Table	E20		0.0	75.0	30.0	
ORECA	07	0	930	Gibson	4.2	NA					8750	See Table	E20		0.0	75.0	30.0	

\* Aero configuration is defined via the Aero Configuration table on the following page.

Acura ARX-05

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.395
3200		1.395
3600		1.528
4000		1.639
4400		1.681
4800		1.681
5200		1.681
5600		1.681
6000		1.681
6200	-0.010	1.662
6400	-0.019	1.638
6600	-0.028	1.629
6800	-0.037	1.596
7050	-0.048	1.555
7550	-0.054	1.490
7650		1.000

Mazda RT24-P

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		2.400
5200		2.400
5800		2.400
6000		2.400
6250		2.400
6500		2.418
6900		2.490
7000		2.494
7150		2.495
7300	-0.008	2.469
7500	-0.013	2.426
7800	-0.023	2.382
8100	-0.074	2.303
8300	-0.124	2.233
9100	-0.139	1.998
9200		1.000

Nissan DPI

Engine Speed [rpm]	Boost Ratio	
	adj	current
2000		1.548
4000		1.548
4200		1.601
4850		1.601
5200		1.635
5500		1.699
5800		1.753
6000		1.759
6200	-0.010	1.737
6400	-0.019	1.713
6700	-0.033	1.685
6850	-0.040	1.678
6950	-0.045	1.683
7100	-0.052	1.675
7600	-0.055	1.510
7700		1.000

P		PROTOTYPE AERODYNAMIC CONFIGURATIONS	FRONT AERODYNAMIC CONFIGURATIONS			REAR AERODYNAMIC CONFIGURATIONS								
			Optional Front Aerodynamic Configurations are Independent			Optional Rear Aerodynamic Configurations Must be Used as a Complete Package; Mixing of Parts/Components is Forbidden								
20180506 IWSC Mid Ohio		Dive Planes	Packers / Inserts	Other	Option	Tail Wicker		Rear Wing Assembly		Rear Wing Flap			Rear Wing Flap Wicker	
Manufacturer		Permitted Options	Permitted Configurations	Permitted Options		Type	Maximum Height	Type	Angle / Position	Type	Position	Maximum Angle	Span	Maximum Height
						mm	mm		degrees			degrees	mm	mm
Acura	ARX-05	Per Technical Credential [IMSA]: Removed Single Double	Per Technical Credential [IMSA]: Per Technical Credential [IMSA]	Per Technical Credential [IMSA]:	OPTION 1	Per Technical Credential [IMSA]	28.0	Per Technical Credential [IMSA]	-0.2	Sprint As-Homologated [FIA]	N/A	31.7	1800	10.0
				Acura Side Wicker All Front Fender Wicker Options										
Cadillac	DPI-V.R	Per Technical Credential [IMSA]: Removed LDF Single Single Double	Per Technical Credential [IMSA]: Splitter Outboard Fill-in Packers Low Downforce Front Fender Insert	Per Technical Credential [IMSA]:	OPTION 1	Per Technical Credential [IMSA]	30.0	Sprint As-Homologated [FIA]	17.0	Sprint As-Homologated [FIA]	ROTATED	28.8	1800	5.0
				All Side Wicker Options All Front Fender Wicker Options										
Mazda	RT24-P	Per Technical Credential [IMSA]: Removed Trimmed Lower Single Double	Per Technical Credential [IMSA]: Splitter Inboard Fill-in Packers Lower Front Fender Packer	Per Technical Credential [IMSA]:	OPTION 1	Per Technical Credential [IMSA]	65.0	Per Technical Credential [IMSA]	Position 5	Sprint As-Homologated [FIA]	HDF	N/A	1800	17.0
				All Side Wicker / Bootscraper / Front Fender Wicker Options Splitter Outboard Shoes / Footplates										
Multimatic Riley	Riley MK30	All Options As-Homologated [FIA]			All Options As-Homologated [FIA]									
Nissan	DPI	Per Technical Credential [IMSA]: Removed MDF HDF	Per Technical Credential [IMSA]: Splitter extension	Per Technical Credential [IMSA]:	OPTION 1	Per Technical Credential [IMSA]	40.0	Sprint As-Homologated [FIA]	14.3 (A2/MP2)	Sprint As-Homologated [FIA]	F2/LIM	N/A	N/A	
				All Side Wicker Options All Front Fender Wicker Options										
Onroak	Ligier JS P217	All Options As-Homologated [FIA]			All Options As-Homologated [FIA]									
ORECA	07	All Options As-Homologated [FIA]			All Options As-Homologated [FIA]									