

### IMSA TECHNICAL BULLETIN ICTSC #18-06

To: All IMSA Continental Tire SportsCar Challenge Competitors

From: IMSA Competition

Date: 7 March 2018

Re: ICTSC Update: GS, TCR, and ST Balance of Performance

In accordance with Attachment 2 of the IMSA Continental Tire SportsCar Challenge 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.

gs	Vehicles		Mass				Engine				Ride Height			Fuel				Notes	
	Manufacturer	No Fuel/Driver (kg)	SRO Altitude/Mass		Restrictor (mm)		Maximum Boost	Maximum RPM		Minimum Ride Height (mm)			Type	Fuel Capacity (L)		Refueling Restrictor (mm)			
			adj	current	adj	total	qty	adj	current		adj	current		adj	F Current	R Current	adj		current
	Issued:	20180307 Sebring Race		Bulletin: ICTSC TB #18-06				Date: 3/7/2018											
	Aston Martin	V8 Vantage GT4	-15	1360							0	80.0	80.0	IMSA 100		73.0		24.0	
	Audi	R8		1450			2	42.0			0	95.0	107.0	IMSA 100		80.0		24.0	
	BMW	M4 GT4		1445						0	124.0	119.0	IMSA 100		+4	86.0	+0.5	24.5	Gold Power Stick
	Chevrolet	Camaro GT4 R		1495			1	58mm		0	70.0	70.0	IMSA 100					23.0	
	Ford	Mustang		1530			1	61mm		0	102.0	203.0	IMSA 100				-0.5	22.5	ECU Calibration as approved by IMSA
	Maserati	GranTourismo MC		1415			1	64.4mm		0	90.0	160.0	IMSA 100					23.0	ECU 2015 map
	McLaren	570S GT4		1555						0	77.0	90.0	IMSA 100					27.0	SRO 2016 BoP ECU Calibration
	Mercedes	AMG GT		1425						0	77.0	89.0	IMSA 100					24.5	ECU MAP 1 - IMSA Revision 1.2
	Porsche	Cayman GT4 CS MR		1310						0	75.0	94.0	IMSA 100					22.0	

TCR Vehicles		Mass		Engine		Ride Height			Fuel				Notes		
Manufacturer		No Fuel/Driver (kg)		Maximum Boost mBar	Maximum RPM		Minimum Ride Height (mm)			Type	Fuel Capacity (L)		Refueling Restrictor (mm)		
		adj	current		adj	current	adj	F Current	R Current		adj	current	adj	current	
Issued: 2018 Sebring race				Bulletin:	ICTSC TB #18-06		Date: 3/7/2018								
Alfa Romeo	Giuletta TCR		1245	2570.0			0	113.0	339.0	IMSA 100		76.0	+1.0	26.5	90% MAP per TCR TB16-2017
Audi	RS3 DSG TCR		1255	2565.0			0	79.0	128.0	IMSA 100		76.0	+1.0	26.5	90% MAP per TCR TB16-2017
VW	GTI DSG TCR		1225	2565.0			0	83.0	133.0	IMSA 100		76.0	+1.0	26.5	90% MAP per TCR TB16-2017

## ST SCR:

### BMW 328i (F30) sedan ST

Final Drive: 3.91:1

Fuel capacity: 19.25 gal.

Weight: 2830 lbs.

Tire size 225/45/17

Refueling Restrictor: ~~29.0~~ 28.0 mm (-1.0 mm)

Maximum RPM 7000

Maximum boost 2360 mbar Absolute

#### Approved Modifications

1. E90 hydraulic power steering with approved installation parts by BimmerWorld.
2. May modify OEM radiator shrouding and grille per specification on file

Permitted replacement components

1. BMW supplied OEM 330i brake calipers.
2. IMSA Approved ECU (Motec M1).
3. May install fuel cell
4. Electric water pump.
5. F\_30\_F\_Steer RIGHT and LEFT mounting brackets for steering rack.
6. Seibon Carbon Hood Part number HD1213BMWF30-OE or Bimmerworld part # 138.41.630.0001
7. Seibon Carbon Deck Lid Part number TL1213BMWF30 or Bimmerworld part # 138.41.630.0002
8. Bimmerworld Short Shifter kit
9. BMW Sport Bumpers and grilles. Front : 51-11-8-055-826 Rear : 51-12-8-056-497
10. Front Control Arm Bushing kit: Dinan Part #: D280-0008 or Bimmerworld Kit# BW.FLCAB
11. Bimmerworld Intercooler part # CR.CC.K1129
12. May use IMSA approved ABS Controller
13. Bimmerworld rear toe link p/n 100.33.630.0002

### MINI Cooper JCW 2015- ST

Final Drive: 3.59:1

Fuel capacity: 16.5 gal

Weight: 2540 lbs

Tire size: 225/45/17

Refueling Restrictor: ~~26.5~~ 25.5 mm (-1.0 mm)

Maximum Boost Pressure: 2100 mbar Absolute

#### Approved Modifications

1. May install fuel cell.

### Porsche Boxster 2.9L ST

Eligible until Dec 31, 2018

Final Drive: 3.88:1

Fuel capacity: 15.5 gal.

Weight 3000 lbs.

Tire size: front 225/45/17 rear 245/45/17

Maximum RPM 7250

**Refueling Restrictor: 23.5 mm (-1.0 mm)**

Engine Restrictor: IMSA supplied 50mm radiused flat plate

Must use production hard top with production glass window.

Rear wing must be fixed in the up position

#### Approved Modifications

- 1 Allowed 3" diameter Brake Duct opening in radiator inlets.
- 2 May remove vertical strakes from front fender liners
- 3 May modify rear caliper pins for rotor clearance
- 4 May trim outer radiator ducting per specifications on file

#### Permitted replacement components

1. OEM six speed transmission
2. 996 front calipers and rotors
3. Aftermarket exhaust manifold
4. Must use stock ECU from Porsche.
5. Two Piece lower control arm with inner mono-ball bushing.
6. GT3 style adjustable inside rear toe link.
7. IMSA approved aftermarket ABS controller.
8. Brake ducts 997.575.231.91, 997.575.232.91, 996.341.118.91, 996.341.117.91
9. Fender Liners 997.504.123.90, 997.504.124.90
10. Short shifter as approved by IMSA

### Porsche Cayman 2.9L ST

Eligible until Dec 31, 2018

Final Drive: 3.88:1

Fuel capacity: 15.5 gal.

Weight: 3000 lbs

Tire size: front 225/45/17 rear 245/45/17

Maximum RPM 7250

**Refueling Restrictor: 23.5 mm (-1.0 mm)**

Engine Restrictor: IMSA supplied 50mm radiused flat plate

#### Approved Modifications

- 1 3" diameter Brake Duct opening in radiator inlets.
- 2 Rear wing must be fixed in the up position
- 3 May remove vertical strakes from front fender liners
- 4 May modify rear caliper pins for rotor clearance
- 5 May trim outer radiator ducting per specifications on file

#### Permitted replacement components

1. OEM six speed transmission
2. 996 front calipers and rotors.
3. Aftermarket exhaust manifold
4. Must use stock ECU from Porsche.
5. Two Piece lower control arm with inner mono-ball bushing.
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9. Fender Liners 997.504.123.90, 997.504.124.90
10. Short shifter as approved by IMSA