



Balance of Performance Publication

Date: 13.05.2019

Hankook 12H BRNO 2019 (TCE & GT-Series)

To Sporting & Technical Regulations 24H SERIES power by Hankook 2019,
Version 6 September 2018, with KNAF-permit No.: 0314.18.269

Dear Teams and Drivers

In this BOP-publication you will find:

- Balance of Performance (BOP)
- SP-BOP-CAT (Theoretical best lap times).

This BOP and other figures are in force with immediate application and replaces the figures of appendix 18 of the Sporting & Technical regulations and eventually previously published BOP-publications.

Notes on boost control:

Control of Pboost strategy as per document attached (Appendix: Control of Pboost strategy is updated), for all cars of which Pboost max is specified, unless explicit otherwise specified.

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Petrol & Diesel Touring cars, up to 3500cc

Class	Cylinder capacity	Minimum Weight	Max Refuelling amount	Remarks	
A2	Diesel cars up to 2000cc	1100 kg	100L	Theoretical best lap time: 2min18 (BRNO)	
		1200 kg	120L		
	Petrol (up to - 2.000cc)	up to 1.300cc	710 kg		80 L
		1.300 - 1.400cc	760 kg		80 L
		1.400 - 1.600cc	820 kg		90 L
		1.600 - 1.800cc	900 kg		100 L
		1.800 - 2.000cc	980 kg		100 L
	Petrol Supercharged engines (up to 1.650cc)	Supercharged engines up to 1.650cc	1000kg		70 L
Peugeot RCZ 1.600cc / Turbo		1100 kg	80 L		
A3	Petrol (2.000 - 3.500cc)	2.000 - 2.500cc	1000 kg	120 L	
		2.500 - 3.000cc	1100 kg	120 L	
		3.000 - 3.500cc	1200 kg	120 L	
	Petrol Supercharged engines (1.650 - 2.000cc)	Peugeot RCZ 1.600cc	1000 kg	120 L	
		1.650 – 1.800cc	900 kg	100 L	e.g. Lotus Elise 1.8 Turbo
			1000 kg	120 L	e.g. Seat Leon MK1
		1.800 – 2.000cc	1000 kg	90 L	e.g. Seat Leon MK2, Opel Astra (NO TCR cars)
			1100 kg	100 L	
	1200 kg	120 L			
	Diesel 2.000 – 3000cc	2.000 – 2.500cc	1100 kg	85 L	
2.500 – 3.000cc		1200 kg	85 L		
CUP 1	BMW M240i Cup	3.000cc Twin Turbo	Remarks	Remarks	According to BMW M235i Cup regulations

Theoretical best lap time:
2min14 (BRNO)

Class TCR BOP and ECU-software version

Please note: All TCR cars MUST have UPDATED 2019 ECU-software according TCR Bulletin 6/2019

Brand & Type	Minimum Weight	Max Refuel amount	Ride height	TCR Technical form	Power level (%)	SW Name ECU-software version	SW Identification (Checksum or ID)	Max Pboost* & Rev limiter	Correct (mbar/C)
ALFA ROMEO GIULIETTA TCR RF	1200 kg	100 L	70mm	22					
AUDI RS3 LMS SEQ	1240 kg	100 L	70mm	10					
AUDI RS3 LMS DSG	1240 kg	100 L	70mm	9					
CUPRA TCR SEQ	1230 kg	100 L	70mm	35					
CUPRA TCR DSG	1230 kg	100 L	70mm	43					
HONDA CIVIC FK7 TCR SEQ (2018)	1260 kg	100L	80mm	33					
HONDA CIVIC FK2 TCR SEQ (2017)	1220 kg	100L	70mm	11					
HYUNDAI i30 N TCR	1240 kg	100 L	70mm	27					
HYUNDAI Veloster N TCR	TBA	100L	TBA	TBA					
KIA CEE'D TCR	1200 kg	100 L	70mm	24					
OPEL ASTRA TCR	1230 kg	100 L	70mm	5					
PEUGEOT 308 TCR	TBA	TBA	TBA	37					
PEUGEOT 308 RACING CUP	1100 kg	100 L	70mm	8					
RENAULT MEGANE RS TCR	TBA	100 L	TBA	39					
SUBARU STi TCR	TBA	100 L	TBA	7					
VOLKSWAGEN GOLF GTI TCR SEQ	1230 kg	100 L	70mm	14					
VOLKSWAGEN GOLF GTI TCR DSG	1230 kg	100 L	70mm	12					
SEAT LEON CUP RACER V1 DSG (2015)	1200 kg	100 L	60 mm	TCN2-C-001	100	5F6906259_0001	72 DC 3A 5C	NA	
SEAT LEON TCR V2 SEQ (2016)	1200 kg	100 L	70 mm	2	100	5F6906259C (0001)	CVN	NA	
SEAT LEON TCR V2 DSG (2016)	1200 kg	100 L	60 mm	4	100	5F6906259B (0001)	CVN	NA	
SEAT LCR TCR V3 DSG	1230 kg	100 L	70mm	15	102.5	5F6906259L	CVN	See CUPRA DSG	
Your (TCR) car not listed here? Please make an individual request to info@creventic.com									

Please note All TCR cars MUST have UPDATED 2019 TCR-ECU Software (DSG cars not updated) See TCR Technical Bulletin no. 6 / 2019 on next pages

*Boost pressure will be monitored and interpreted according to the TCR Technical Bulletin no. 04 / 2019. (Date: 2019, March 26th) (TCR Turbocharger Boost Pressure Monitor Method)



Imposed parameters for Certified Software

Model	Power level [%]	SW Name	SW ID or Checksum	Check Method	Rev limiter	Max Boost Pressure [mbar] / engine revs							Correct. [mbar/°C]	
						Revs	4600	5100	5600	6100	6600	7100		
Alfa Romeo Giulietta RF TCR	100	1.639_TCR2019_BOP_100 %	34882/10107	CAN hi/lo	7100	Revs	4600	5100	5600	6100	6600	7100		1
						Boost	2500	2705	2700	2700	2680	2660		
Alfa Romeo Veloce TCR	100	1.639_TCR2019_BOP_100 %	34882/10107	CAN hi/lo	7100	Revs	4600	5100	5600	6100	6600	7100		1
						Boost	2500	2705	2700	2700	2680	2660		
Audi RS 3 LMS SEQ	100	5F6906259AB	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2200	2360	2470	2480	2430	2280		
Audi RS 3 LMS DSG	102.5	5F6906259L	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2450	2450	2630	2650	2580	2520		
CUPRA SEQ	100	5F6906259AB	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2200	2360	2470	2480	2430	2280		
CUPRA DSG	102.5	5F6906259L	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2450	2450	2630	2650	2580	2520		
Honda Civic FK7 TCR	100	TCR_H70_1.02.35	100	ECAL	7500	Revs	4500	5000	5500	6000	6500	7000	7500	9
						Boost	2310	2370	2490	2490	2410	2290	2290	
Honda Civic FK TCR	100	TCR-V2.7.98+7.5	100	ECAL	7100	Revs	4700	5200	5700	6200	6700	7100		2
						Boost	2130	2275	2415	2550	2540	2370		
Hyundai i30N TCR	97.5	V1.639.X1_i30_TCR2019_975_v3	44078/2007	CAN hi/lo	7000	Revs	4500	5000	5500	6000	6500	7000		2
						Boost	2200	2255	2320	2340	2340	2520		
Hyundai Veloster	97.5	V1.639.X1_i30_TCR2019_975_v3	44078/2007	CAN hi/lo	7000	Revs	4500	5000	5500	6000	6500	7000		2
						Boost	2200	2255	2320	2340	2340	2520		
KIA Cee'd TCR	100	1502_KIA_TCR_100%_WS C_BoP_19_final	Firmware ID	Motec tool	6900	Revs	4400	4900	5400	5900	6400	6900		1
						Boost	2430	2545	2570	2560	2550	2530		
Lada Vesta Sport TCR	100	SRG_MMGEN_14X8_12.1 0.4.3a	0x4A2D1916 /0x8E640174	Marelli	6750	Revs	4200	4700	5200	5700	6200	6750		2
						Boost	2150	2340	2580	2780	2675	2540		
Lada Vesta TCR	100	SRG_MMGEN_14X_12.10.1.3	0xFC35A13A/0x2BEBC88A	Marelli	6750	Revs	4200	4700	5200	5700	6200	6750		2
						Boost	2260	2270	2310	2400	2360	2200		

Class TCR ECU-software version 2/2

2019 TCR TECHNICAL BULLETIN no. 6



Model	Power level [%]	SW Name	SW ID or Checksum	Check Method	Rev limiter	Max Boost Pressure [mbar] / engine revs							Correct. [mbar/°C]	
						Revs	4700	5200	5700	6200	6700	7200		
LynK&Co 03 TCR	97.5	LynKCo 03 TCR Engine Custom ECU 97.5% FINAL 2	Firmware ID	Motec tool	7200	Revs	4700	5200	5700	6200	6700	7200		1
						Boost	2260	2280	2370	2360	2370	2370		
Opel Astra TCR	100	12.7.3.32_BOP_2019_100prozent_final	0x3F50CDF0	CAN hi	6900	Revs	4400	4900	5400	5900	6400	6900		2
						Boost	2200	2365	2520	2510	2320	2160		
Peugeot 308 TCR	102.5	TCR_121030_VSCC_100_BOP_2019	0x87752a77	MapSel 1	7300	Revs	4800	5300	5800	6300	6800	7300		1
						Boost	2530	2630	2750	2810	2810	2800		
Peugeot 308 Racing cup	102.5	TCR_121030_VSCC_100_BOP_2019	0x2d56713d	MapSel 2	7100	Revs	4600	5100	5600	6100	6600	7100		1
						Boost	2630	2650	2670	2760	2780	2670		
Renault Mégane TCR*	100	059_Megane TCR VMTCR_6900 rpm_100%	BOP_26-04-19_100	A2L	6900	Revs	4400	4900	5400	5900	6400	6900		1
						Boost	2600	2600	2600	2600	2600	2600		
Subaru STI TCR	102.5	Subaru_STI_TCR_2019_BoP_102	Firmware ID	Motec tool	7200	Revs	4700	5200	5700	6200	6700	7200		2
						Boost	2345	2375	2425	2360	2140	1990		
VW Golf GTI TCR SEQ	100	5F6906259AB	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2200	2360	2470	2480	2430	2280		
VW Golf GTI TCR DSG	102.5	5F6906259L	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000		5
						Boost	2450	2450	2630	2650	2580	2520		
VW Golf GTI TCR C-ECU*	100	SRG140_VAG_12.11.1.9_BoP_100%_2019_Final_2.clx	A4846272	Marelli	7200	Revs	4700	5200	5700	6200	6700	7200		3
						Boost	2510	2510	2485	2440	2340	1380		

Boost pressure will be monitored and interpreted according to the TCR Technical Bulletin no. 4 / 2019. Values between reference points are piece wise cubic interpolated. The given values are referenced to scrutineering data channel Tmanifold at 40°C.

It is not allowed in any circumstances to exceed the highest listed boost pressure values.

The boost pressure below the 2500rpm monitored area is limited to the value at the lowest rpm of the reference window.

Accepted limit violation:

- 0,3% of the total valid data points with the highest values in regard to the low over boost limits (30mbar < p Boost < 100mbar relative to the corresponding Max Boost Pressure)
- 0,1% of the total valid data points with the highest values in regard to the high over boost limits (p Boost ≥ 100mbar relative to the corresponding Max Boost Pressure)

Class GT4: GT4 Grand Touring Cars

Brand & Type	Cylinder capacity	Minimum Weight	Max Refuelling amount	Restrictor	Remarks *
ASTON MARTIN V8 VANTAGE GT4	4700cc/8cyl	1350 kg	100 L	NA	ECU BOP 2016
ASTON MARTIN VANTAGE AMR GT4	4000cc/8cyl Turbo	1460 kg	105 L	NA	Max Boost(barA/rpm) 1,618/4000 1,690/4500 1,640/5000 1,640/5500 1,595/6000 1,565/6500 1,565/7000
Audi R8 LMS GT4	5200cc/10cyl	1480 kg	110 L	2x41mm	Restrictor thickness 5mm. Acc. Audi R8 GT4 restrictor drawing ECU BOP 2018
BMW M3 GT4		1350 kg	110 L	NA	ECU BOP 2015
BMW M4 GT4	3000cc/6cyl Turbo	1460 kg	110 L	2017 USB Powerstick "Silver" (Max Engine power: 440Hp)	
CHEVROLET CAMARO GT4		1450 kg	100 L	60mm	FIA-restrictor design ECU BOP 2018
GINETTA G55 GT4 Evo 2015	3700cc/6cyl	1080 kg	120 L	NA	ECU BOP 2015
GINETTA G55 GT4 Evo 2017/2018	3700cc/6cyl	1100 kg	95 L	68mm	Restrictor: G55-E0392 FIA-restrictor design
KTM X-BOW GT4	2000cc/4cyl Turbo	1130 kg	90 L	Pboost max: 2,3bar Max rpm: 7000 rpm (at all gears)	
LOTUS EVORA GT4		Tba	Tba	Tba	
MCLAREN 570S GT4	3800cc/8cyl Turbo	1440 kg	110 L	Max engine Torque 470Nm Pboost-max: 1,8 bar ECU BOP 2018	
MERCEDES AMG GT4	4000cc/8cyl Turbo	1490 kg	100 L	Pboost-max: 1,65 bar (Power Level 4) (Max Engine power: 300kW (408Hp)	
NISSAN 370Z GT4	3800cc/6cyl	1250 kg	100 L	Tba	ECU BOP 2016/2017
PORSCHE 997 CUP GT4	3800cc/6cyl	1250 kg	95 L	NA	ECU BOP 2014
PORSCHE CAYMAN GT4 CLUPSPORT MR	3800cc/6cyl	1272 kg	100 L	ECU 2017 BOP	
SIN R1 GT4	6200cc/8cyl	1250 kg	100 L	NA	Max 43,5% Throttle opening

Your (GT) car not listed here? Please make an individual request to info@creventic.com

* Specified Max Pboost pressure are absolute pressure at ambient of 1010mbar.



**Class 991: Porsche 991 Cup classes (Generation I and II)
Including BOP- table class 991-PRO & 991-AM**

Type	BOP**	Minimum Weight	Max Refuelling amount	Remarks
Cup 991-I (3800cc)	BOP-AM	1220 kg	100L	Models 2013 .. 2016 NO Restrictor-Blende
Cup 991-I (3800cc)	BOP-PRO	1220 kg	90L	Models 2013 .. 2016 *Restrictor-Blende: 65 mm
Cup 991-II (4000cc)	BOP-AM	1230 kg	100L	Models 2017 .. 2018 *Restrictor-Blende: 65 mm
Cup 991-II (4000cc)	BOP-PRO	1230 kg	90L	Models 2017 .. 2018 *Restrictor-Blende: 59 mm

* Restrictor Blende must be according "Manthey TZN" drawing, see 24H Series bulletin

** Class and corresponding BOP is determined by Team composition (Drivers categories)

Please note: In case Class 991-AM and 991-PRO is combined to one Class 991, the BOP, 991-AM-BOP or 991-PRO-BOP is still applicable determined by Team composition (Drivers categories)

**Class A6-BOP-TABLE
BOP- table class A6-PRO & A6-AM**

Class*	BOP	Balance of Performance**	
		Weight	Refuelling
A6-PRO	BOP-Pro	+ 30 kg	-/- 5 L
A6-AM	BOP-Neutral	+/- 0 kg	+/- 0 L
	BOP-Advantage	-/- 50 kg	120 L

* Class and corresponding BOP is determined by Team composition (Drivers categories)

Please note: In case Class A6-AM and A6-PRO is combined to one Class A6, the BOP, A6-AM-BOP or A6-PRO-BOP is still applicable determined by Team composition (Drivers categories)

** BOP adjusted (+/-) ballast weight and refuelling amount, referred to initial value specified in Appendix 18 (See BOP-publication of the specific event)

GT cars (Mainly GT cars, also American GT's are eligible)

Class A6-Am & Class A6-Pro

Brand & Type	Minimum Weight	Max Refuel amount	Restrictor	Remarks *
ASTON MARTIN V12 VANTAGE GT3	1280 kg	110 L	2x41,5mm	FIA-restrictor design
AUDI R8 LMS Ultra	1245 kg	110 L	2x47,2mm	up to and incl. 2014
AUDI R8 LMS (GT3-038) Evo 2018	1260 kg	100 L	2x39,0mm	Or 1280kg/2x40mm (only for A6-AM-Advantage) FIA-restrictor design
AUDI R8 LMS (GT3-038) Evo 2019	1290 kg	100 L	2x40,0mm	FIA-restrictor design
BMW M6 GT3	1310	105 L	N/A	Max Boost(barA/rpm) 1,78/4000 1,86/4500 1,92/5000 1,94/5500 1,89/6000 1.73/6500 1,65/7000
CHEVROLET CORVETTE C6-ZR1	1200 kg	105 L	2x32,1mm	LMGTE-2-04
FERRARI 458 ITALIA GT3	1260 kg	110L	2x50,0mm	FIA-restrictor design
FERRARI 488 GT3	1300 kg	95L	N/A	Max Boost(barA/rpm) 1,47/4000 1,51/4500 1,56/5000 1,60/5500 1,63/6000 1,59/6500 1,54/7000 1,49/>7250
Ford GT3 (Lambda)	1220 kg	105 L	1x58mm	FIA-restrictor design
LAMBORGHINI HURACAN GT3 Evo2018	1260 kg	100 L	2x39,0mm	FIA-restrictor design
LAMBORGHINI HURACAN GT3 Evo2019	1290 kg	100 L	2x39,0mm	FIA-restrictor design
McLaren MP4-12C GT3	1255 kg	115 L	2x36,0mm	Max Boost(barA/rpm) 1,82/4000 1,80/4500 1,78/5000 1,76/5000 1,72/6000 1,65/6500 1,59/7000 1,53/>7500
McLaren 650S GT3	Tba	Tba	Tba	Max Boost Tba
MERCEDES SLS AMG GT3	1330 kg	105 L	2x38,0mm	FIA-restrictor design
MERCEDES AMG GT3	1330 kg	105 L	2x35,0mm	FIA-restrictor design
NISSAN GT-R Nismo GT3 2015 (GT3-030)	1280 kg	110 L	2x40,0mm	EVO 2015 Max Pboost 2,0 barA (all rpm)
NISSAN GT-R Nismo GT3 2018 (GT3-048)	1300 kg	110 L	N/A	Max Boost(barA/rpm) 2,00/4000 2,00/4500 2,00/5000 1,95/5500 1,95/6000 1,95/6500 1,90/6900 1,70/7000
PORSCHE 911 GT3 R (991 I)	1245 kg	95 L	2x41,50mm	Or 1265kg/2x43mm (only for A6-AM-Advantage) FIA-restrictor design
PORSCHE 911 GT3 R (991 II)	1240 kg	95 L	2x43,0mm	FIA-restrictor design
RADICAL SPORTSCARS RXC TURBO GT3	Tba	Tba	Tba	Max Boost Tba
RENAULT SPORT RS01 Configuration BOP GT3	1220 kg	105L	2x42,0mm	Max Pboost 1,95 barA (all rpm) See also appendix Renault RS01 aerodynamics
SCG 003C	1280 kg	115 L	2x35,0mm	Max Pboost 1,85 barA (all rpm) (acc. Technical form SP-X 010 2018 & modified air-inlet)
SRT VIPER GT3-R	Tba	Tba	Tba	

* Specified Max Pboost pressure are absolute pressure at ambient of 1010mbar.

Class SPX Special cars

Class SPX Cars with partly fixed BOP

Brand & Type	Cylinder capacity	Minimum Weight	Max Refuelling amount	BOP*	*In case car will be amalgamated to class A6. Initial BOP will be:
Lamborghini Huracán Super Trofeo Evo2017/2018	5200cc/10cyl	1275 kg	Acc. BOP-table below	2x40,0mm	1275kg/110L/2x42mm
Porsche GT America	4000cc/6cyl	1250 kg	Acc. BOP-table below	N/A	TBA
Porsche 911 GT3 Cup model (991-I) Modified	3800cc/6cyl	1200 kg	Acc. BOP-table below	N/A	TBA
Porsche 911 GT3 Cup model (991-II) Modified	4000cc/6cyl	1250 kg	Acc. BOP-table below	N/A	TBA
Porsche 991 Cup MR	4000cc/6cyl	1250 kg	Acc. BOP-table below	Restrictor: Free	TBA
Vortex 1.0	6200cc/8cyl	1100 kg	Acc. BOP-table below	N/A	1100kg/105 L
KTM X-bow (SPX-special)	2000cc/4cyl.	1000 kg	According BOP-table below @ column 1050 kg	Pboost max is 2,7bar (independent of ambient air pressure) Max rpm 7000 at all gears Ride height is free	1000kg/120L Pboost max is 2,7bar (independent of ambient air pressure) Max rpm 7000 at all gears Ride height is free

For all other SPX cars:

Class SPX-BOP-Table (for this class "Dynamic BOP" is applicable)

Class	SP-BOP-CAT Theoretical Best lap time Category	Max Refuelling amount		
		Minimum Weight 1050 kg	Minimum Weight 1150 kg	Minimum Weight 1250 kg
SPX	2min02 BRNO (range 2.02 – 2.03)	60 L	70 L	80 L
	2min03 BRNO (range 2.03 – 2.04)	70 L	80 L	90 L
	2min04 BRNO (range 2.04 – 2.05)	80 L	90 L	100 L
	2min05 BRNO (range 2.05 – 2.06)	90 L	100 L	110 L
	2min06 BRNO (range 2.06 – 2.07)	100 L	110 L	120 L
	2min07 BRNO (range > 2.07) *Initial Max refuelling amount	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60

* This is the initial Max refuelling amount, all teams in class SPX starts with.

Class SP2 Special cars

Class SP2 Cars with partly fixed BOP

Brand & Type	Cylinder capacity	Minimum Weight	Max Refuelling amount	BOP / Remarks
Porsche 997	3600cc/6cyl	1150 kg	Acc. BOP-table below	N/A
Porsche 997	3800cc/6cyl	1200 kg	Acc. BOP-table below	Restrictor-Blende: 65mm
GC Automobile V8	6200cc/8cyl	1100 kg	Acc. BOP-table below	N/A
KTM X-bow (SP2-special)	2000cc/4cyl.	1000 kg	Acc. BOP-table below	Datalogger obligatory Pboost max is 2,3bar (independent of ambient air pressure) Max rpm 7000 at all gears Ride height is free

For all other SP2 cars:

Class SP2-BOP-Table (for this class "Dynamic BOP" is applicable)

Class	SP-BOP-CAT Theoretical Best lap time Category	Max Refuelling amount		
		Minimum Weight 750 kg	Minimum Weight 1000 kg	Minimum Weight 1250 kg
SP2	2min07 BRNO (range 2.07 – 2.08)	80 L	90 L	100 L
	2min08 BRNO (range 2.08 – 2.09)	90 L	100 L	110 L
	2min09 BRNO (range 2.09 – 2.10)	100 L	110 L	120 L
	2min10 BRNO (range > 2.10) *Initial Max refuelling amount	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60

* This is the initial Max refuelling amount, all teams in class SP2 starts with.

Class SP3 Special cars

Class SP3 Cars with partly fixed BOP

Brand & Type	Cylinder capacity	Minimum Weight	Max Refuelling amount	BOP / Remarks
KTM X-bow (SP3-special)	2000cc/4cyl.	1100 kg	Acc. BOP-table below	Datalogger obligatory Pboost max is 2,3bar (independent of ambient air pressure) Max rpm 7000 at all gears Ride height is free
BMW M3 V8 (4L)	4000cc/8cyl.	1300 kg	Acc. BOP-table below, minus 10 Litre (Equivalent of 1200kg min weight column)	Datalogger obligatory

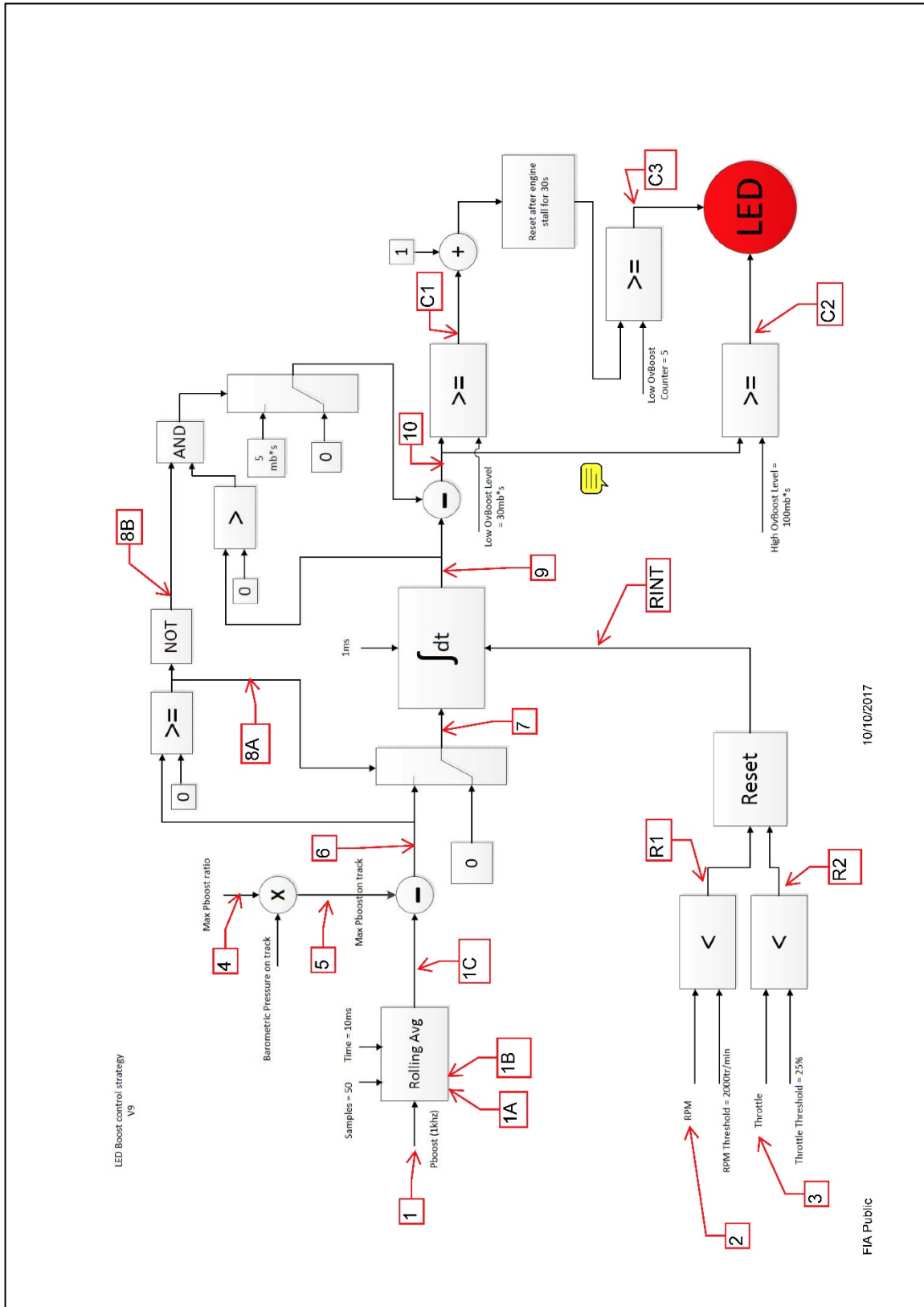
For all other SP3 cars:

Class SP3-BOP-Table (for this class "Dynamic BOP" is applicable)

Class	SP-BOP-CAT Theoretical Best lap time Category	Max. refuelling amount				
		Minimum Weight 750 kg	Minimum Weight 1000kg	Minimum Weight 1100kg	Minimum Weight 1200kg	Minimum Weight 1300kg
SP3	2min11 BRNO (range 2.11 – 2.12)	60 L	70 L	80 L	90 L	100 L
	2min12 BRNO (range 2.12 – 2.13)	70 L	80 L	90 L	100 L	110 L
	2min13 BRNO (range 2.13 – 2.14)	80 L	90 L	100 L	110 L	120 L
	2min14 BRNO (range > 2.14) *Initial Max refuelling amount	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60	120 L @ green 120 L @ code60

* This is the initial Max refuelling amount, all teams in class SP3 starts with.

Appendix: Control of Pboost strategy



Appendix: Renault RS01 aerodynamics



PHOTO N° 01

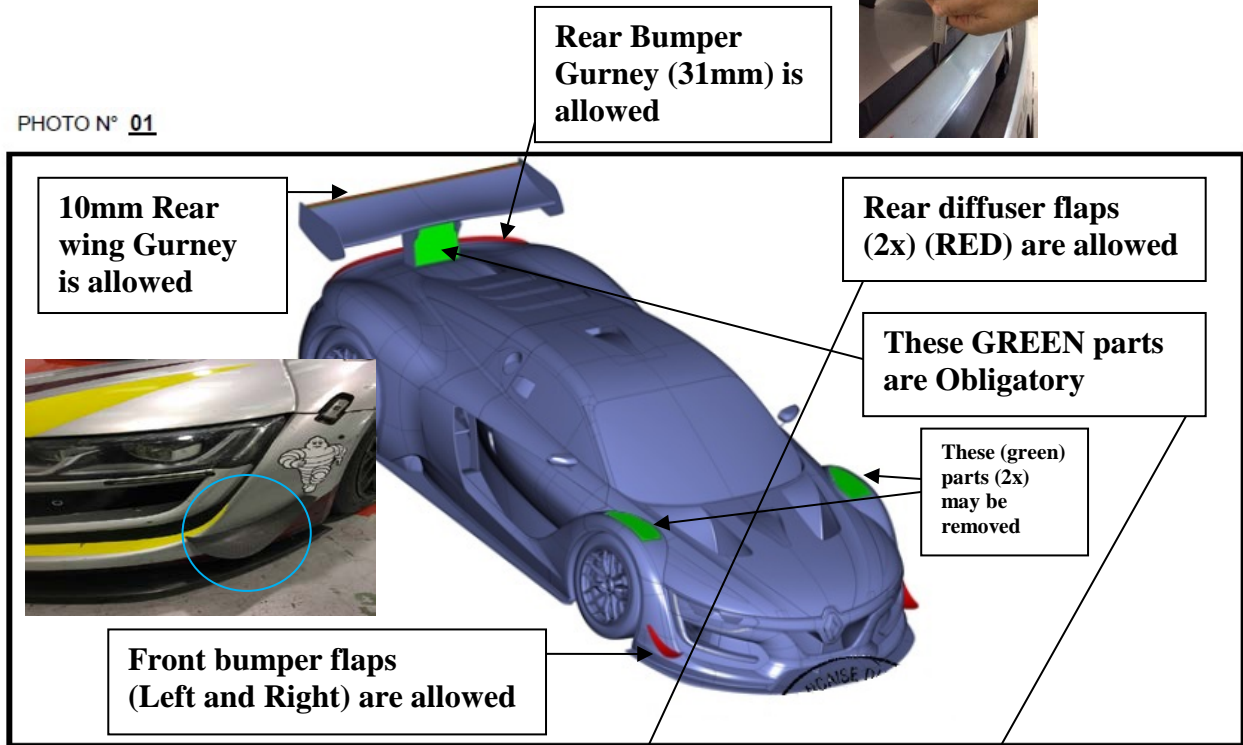


PHOTO N° 02

