

Date: 2019, March, 26<sup>th</sup>

This decision is with immediate application and valid until further notice.

### TCR BoP & Certified Cars:

<u>TCR Car Models</u>	<u>Engine Power Level [%]</u>	<u>Target Racing Weight** [kg]</u>	<u>Compens. Weight* (CW) [kg]</u>	<u>BoP Ballast [kg]</u>	<u>Tot. Min. Racing Weight [kg]</u>	<u>Ride Height [mm]</u>
Alfa Romeo Giulietta TCR RF	100.0	1265	60	-60	1265	70
Alfa Romeo Giulietta Veloce TCR RF	100.0	1265	60	-20	1305	80
Audi RS 3 LMS SEQ	100.0	1265	60	-10	1315	70
Audi RS 3 LMS DSG	102.5	1230	60	-10	1280	60
Cupra TCR SEQ	100.0	1265	60	-30	1295	70
Cupra TCR DSG	102.5	1230	60	-30	1260	60
Honda Civic FK7 TCR	100.0	1265	60	10	1335	80
Honda Civic FK2 TCR	100.0	1265	60	-20	1305	70
Hyundai i30 N TCR	97.5	1265	60	10	1335	90
Hyundai Veloster N TCR	97.5	1265	60	40	1365	90
KIA Cee'd TCR	100.0	1265	60	-40	1285	70
Lada Vesta TCR	100.0	1265	60	-10	1315	80
Lada Vesta Sport TCR	100.0	1265	60	20	1345	80
Lynk&Co 03 TCR	97.5	1265	60	30	1355	80
Opel Astra TCR	100.0	1265	60	0	1325	70
Peugeot 308 TCR	102.5	1265	60	-50	1275	70
Peugeot 308 Racing Cup TCR	102.5	1225	60	-60	1225	70
Renault Mégane RS TCR	100.0	1265	60	-30	1295	70
Subaru STI TCR	102.5	1265	60	-40	1285	70
VW Golf GTI TCR SEQ C-ECU	100.0	1265	60	-20	1305	70
VW Golf GTI TCR SEQ	100.0	1265	60	-30	1295	70
VW Golf GTI TCR DSG	102.5	1230	60	-30	1260	60

\* The Compensation Weight of 60kg applies at the 1<sup>st</sup> event of a model in a TCR Series and will be corrected during the season using the particular CW Automatic Formula.

\*\* For any TCR Series or class with a participation of DSG cars over the 40% of the total number of cars on grid, the Target Racing Weight of the SEQ cars may be increased by the Series Promoter from 10 to 40 kg maximum.

This is valid for 2019 season. Promoters are kindly requested to inform WSC in written.



Andreas Bellu / TCR Technical Director

Annexe: Imposed parameter for accepted software

Model	Power level [%]	SW Name	SW Identification (Checksum or ID)	Check Method	Rev limiter	Max Boost Pressure [mbar] / engine revs						correction [mbar/°C]	
						Revs	4600	5100	5600	6100	6600		7100
Alfa Romeo Giulietta TCR	100	1.639_TCR2019_BOP_100%	57419/8805	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%	57419/8805	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	6800	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2200	2360	2470	2480	2430	2080	
Audi RS 3 LMS DSG	102.5	5F6906259M	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2300	2280	2520	2650	2580	2520	
CUPRA SEQ	100	5F6906259AB	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2200	2360	2470	2480	2430	2080	
CUPRA DSG	102.5	5F6906259M	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2300	2280	2520	2650	2580	2520	
Honda Civic FK7 TCR	100	TCR_H70_1.02.35	100	ECAL	7500	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2310	2340	2490	2470	2410	2290	
Honda Civic FK TCR	100	TCR-V2.7.98+7.5	100	ECAL	7500	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_BOP_Car_22	14605/24879	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_BOP_Car_22	14605/24879	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%_WSC_B oP_19_final	Firmware ID	Motec tool	6900	Revs	4400	4900	5400	5900	6400	6900	1
						Boost	2430	2545	2570	2560	2550	2530	
Lada Vesta TCR	100	SRG_MMGEN_14X_12.10.1.3	0xFC35A13A/0x2BEBC88A	Marelli	6680	Revs	4200	4700	5200	5700	6200	6680	2
						Boost	2150	2340	2580	2780	2675	2540	
Lada Vesta Sport TCR	100	SRG_MMGEN_14X8_12.10.4.3 a	0x4A2D1916/0x8E840174	Marelli	6750	Revs	4200	4700	5200	5700	6200	6750	2
						Boost	2260	2270	2310	2400	2360	2200	
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	2100	



Model	Power level [%]	SW Name	SW Identification (Checksum or ID)	Check Method	Rev limiter	Max Boost Pressure [mbar] / engine revs						correction [mbar/°C]	
						Revs	4400	4900	5400	5900	6400		6900
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	100	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	021_Megane TCR VMTCR_6900 rpm_100%	VMTCR_0601 7050 rpm 100%	A2L	6900	Revs	4400	4900	5400	5900	6400	6900	1
						Boost	2100	2100	2100	2100	2100	2100	
Subaru STI TCR	100	Subaru_STI_TCR_2019_BoP_102	Firmware ID	Motec tool	7200	Revs	4700	5200	5700	6200	6700	7200	2
						Boost	2200	2360	2470	2480	2430	2080	
VW Golf GTI TCR SEQ	100	5F6906259AB	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2200	2360	2470	2480	2430	2080	
VW Golf GTI TCR DSG	102.5	5F6906259M	CVN	OBD	7000	Revs	4500	5000	5500	6000	6500	7000	5
						Boost	2300	2280	2520	2650	2580	2520	
VW Golf GTI TCR C-ECU	100	SRG140_VAG_12.11.1.9_BOP_100%_2019_Final	F0D0D4C7	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.

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)

