

MNASZ 2018
TEREP
RALLYE
BAJNOKSÁG



SUPPLEMENTARY REGULATION



T1, T2, T3,
T4, TH,
S b S,

HUNGARIAN OPEN CROSS-COUNTRY RALLY CHAMPIONSHIP I. RUN
CEZ CHAMPIONSHIP III. RUN



2018. 04. 20-22.
BUGAC



CONTENTS:

INTRODUCTION	2
SCHEDULE	3
1 DESCRIPTION	4
2 ORGANIZATION	5
3 ENTRIES	6
4 INSURANCE	7
5 ADVERTISEMENTS	7
6 IDENTIFICATION	7
7 TYRES	7
8 FUEL	7
9 ADMINISTRATIVE CHECKS	7
10 TECHNICAL SCRUTINEERING AND MARKINGS	8
11 SUPERSPECIAL	8
12 START OF THE EVENT	8
13 RUNNING OF THE EVENT	9
14 SERVICE PARK	9
15 PROTESTS	9
16 FINAL TECHNICAL SCRUTINEERING	10
17 RESULTS	10
18 PRIZES	10
19 SIDE BY SIDE GROUP	10
I. Technical description of the operation of the GPS System V1	11

INTRODUCTION

ADRENALIN CUP 2018. is organised by VARGA RACING TEAM ASE on 20-22. 04. 2018.

The event will take place in accordance with the following regulations, to which all drivers and competitors will be bound by signing the entry form:

- The FIA International Sporting Code (and its appendices),
- General prescriptions of the FIA Cross-Country Rallies,
- General prescriptions of the Hungarian Cross-Country Rallies 2018
- The present Supplementary Regulations and its appendices,
- Official bulletins.

Total distance:		360 km			
Day 2	219,7 km	SS 1	102,6 km	SS 2	102,6 km
Day 3	140,3 km	SS 3	56,4 km	SS 4	56,4 km

SCHEDULE

DATE	TIME	EVENT	LOCATION
21.03.2018 Wednesday	10:00	<u>Opening date for Entries</u>	Varga Racing Team ASE. 1163 Budapest, Legény utca 10.
12.04.2018 Thursday	18:00	<u>Closing date for Entries</u>	Varga Racing Team ASE. 1163 Budapest, Legény utca 10.
20.04.2018 Friday	15:30	Opening Secretariat and Press Office	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	16:00-17:30	Pick up of the Safety Systems	In Administrative Check
	16:00-17:30	<u>Administrative Check</u>	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	16:30-18:00	<u>Technical Scrutineering</u>	Bugaci Önkéntes Tűzoltóegyesület Bugac, Béke út 10.
	17:00-18:30	<u>Entrance to the Parc Fermé</u>	Bugac, Area behind the Cultural House.
	18:30	First Steward Meeting	Bugac, Polgármesteri Hivatal 6114 Bugac, Béke út 10.
	19:00	<u>Briefing,</u> Publication of Start List Leg 2, Road book distribution, Dinner	Bugac, Nagybugac 135. Táltos Lovaspanzió
	19:30	Closing of the Secretariat and Press Office	Bugac, Nagybugac 135. Táltos Lovaspanzió
21.04.2018 Saturday	08:00	<u>Opening Secretariat</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	09:00	<u>Leg 1 START</u>	Bugac, Mayor's office 6114 Bugac, Béke út 10.
	09:15	SS1 Start	
	10:50	<u>Service</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	12:45	SS 2 Start	
	14:20	<u>Service</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	17:00	<u>FINISH Leg 1</u>	Bugac, Area behind the Cultural House
	18:00	<u>Publication of the Results Leg 1,</u> <u>Publication of Start List Leg 2,</u> <u>Closing of the Secretariat</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió

22.04.2018 Sunday	08:00	<u>Opening Secretariat</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	09:00	<u>Leg 2 START</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	09:20	SS 3 Start	
	10:15	<u>Service</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	12:05	SS 4 Start	
	13:05	<u>FINISH Leg 2</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	14:30	Publication of <u>Provisional Results</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	15:00	Publication of <u>Final Results</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió
	15:00	<u>PRIZE-GIVING CEREMONY</u>	Bugac, Nagybugac 135. Táltos Lovaspanzió

1 DESCRIPTION

1.1 LOCATION AND DATE OF THE EVENT:

ADRENALIN CUP will be held in Hungary, in Bács-Kiskun county.

1.2 THE EVENT:

ADRENALIN CUP

1st round of

OPEN HUNGARIAN CROSS-COUNTRY RALLY CHAMPIONSHIP

with coefficient 2,

and 3rd round of **FIA CEZ CHAMPIONSHIP**

with coefficient 2,

with international participants.

1.3 VISA NUMBER:

MNASZ K-0122 /2018.04.03.

1.4 LOCATION OF EVENT HQ:

LOCATION: **A:** H-6114 BUGAC, Béke út 10. Mayor's Office
 GPS: 46°41.225'É 19°40.952'K
 B: H-6114 BUGAC, Nagybugac 135. Táltos Lovaspanzió
 GPS: 46°40.246'É 19°39.244'K
Time: SEE ABOVE IN SCHEDULE

1.5 LOCATION OF START AND FINISH:

LOCATION: Bugac, Kossuth utca, area behind the cultural house.
 GPS: 46°41.207'É 19°40.717'K

START TIME: 21.04.2018. 09:00
FINISH TIME: 21.04.2018 17:00
START TIME: 22.04.2018 09:00

LOCATION: Bugac, Nagybugac 135. Táltos lovaspanzió
GPS: 46°40.246'É 19°39.244'K
FINISH TIME: 22.04.2018 13:05

1.6 LOCATION OF PRESS OFFICE:

LOCATION: EVENT HQ
GPS: 46°40.246'É 19°39.244'K

1.7 LOCATION OF OFFICIAL NOTICE BOARD:

LOCATION: H-6114 Bugac, Nagybugac 135. Táltos lovaspanzió
GPS: 46°40,246'É 19°39,244'K

1.8 The average altitude above sea level of the Selective Sections:

The average altitude above sea level of The Adrenalin Cup Selective Sections is **under 1000 metres**. Based on these the size of the competition vehicles air restricting according to the Rule Book 9.2.4 points.

2 ORGANIZATION

2.1 ORGANISER'S NAME:

Varga Racing Team ASE.

2.2 ADDRESS & CONTACT DETAILS:

Varga Racing Team ASE.
H-1163 Budapest, Legény utca 10.
Responsible for the Event: **Varga Imre**
Tel: +36 30 604 45 13

2.3 ORGANISING COMMITTEE:

Patron of the Event:	Mr. László SZABÓ, Mayor of Bugac
Organising Committee:	Mr Péter CZEGLÉDI
Members of the organising committee:	Mr. László POLGÁR
Members and Chief Safety Official:	Mr. György BALI
Secretary of the Rally:	Mrs. Mariann POLGÁR

2.4 STEWARDS:

Stewards' Meeting Chairman	Mr. Tibor OROSZLÁN
Members	Mr. István LÁDI (SK)
	Mr. György SELMECZI

2.5 OFFICIALS:

Clerk of the Course:	Mr. László POLGÁR
Chief Technical Inspector:	Mr. László TÜSKÉS
Chief Medical Officer	TBA
Chief Safety Officer:	Mr. György BALI
Secretary of the Rallye:	Mrs. Mariann POLGÁR
Crew's Relation Officer:	Mrs. Petra ILLÉS-POLGÁR
Press Relations Officer:	Ms. Dr. Rita KÓNYA
GPS Control	M-Info Kft.

2.6 IDENTIFICATION OF OFFICIALS AND MARSHALS:

MNASZ identification- everyone.

Chief Post Control: Red west, Timekeeper and Marshall: White west.

3 ENTRIES

3.1 DATES:

Opening date for entries: **21.03.2018**

Closing date for entries: **10.04.2018**

3.2 ENTRY PROCEDURE:

Entry forms together with the certificate of payment should be sent to the following address:

Varga Racing Team Autósport Egyesület

H-1164 Budapest, Legény utca 10.

e-mail: tereprallye.office@gmail.com

3.3 NUMBER OF ENTRIES, GROUPS, CLASSES:

Groups announced: T1, T2, T3, TH, and T4, SbS, (not CEZ group)

3.4 ENTRY FEES, OTHERS: VAT, complementary compulsory liability insurance, and rental fee of the GPS system are included in the entry fees.

Group T1 - T2 - T3 – T4: 230.000, HUF

Group TH: 130.000, HUF

Group SbS: /Not CEZ group/ 60.000, HUF

Group Challenge: Without entry fee, but the GPS and the insurance 30.000, HUF

Basic service plate per vehicle (50 m2 area): Included in Entry fee!

Plus Service area 50 m2 For free!

Mobile homes, Promo vehicle For free!

Service vehicle entry permission (Windshield sticker) For free!

With the signing the entry form of particular race, contestants agree that GPS system operator give their data to the organizer, leader of the race and the TRSB.

3.5 METHOD OF PAYMENT:

All entry fees must be transferred before the closing date of the netries to the following bank account:

Varga Racing Team Autósport Egyesület

UniCredit Bank: Account number: **10918001-00000106-08210004**

IBAN: HU10918001-00000106-08210011

SWIFT: BACXHUHB

The entry form can only be accepted together with the certificate of payment of the entry fee. Entries after the closing date of the entries will be considered as „Entry on spot” (150%).

3.6 SAFETY SYSTEM: **paid on the spot!**

GPS + Overtaking system, **installation package** (rent) 5.000, HUF

GPS + Overtaking system, **installation package** (buy) 15.000, HUF

4 INSURANCE

According to INSURANCE INFORMATION 2018.

4.1. complementary compulsory liability insurance:

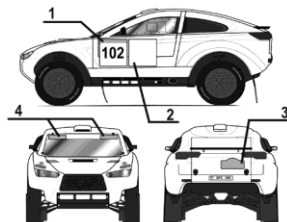
Included in Entry Fee!

5 ADVERTISEMENTS

5.1 ADVERTISEMENTS:

1. 2 pcs Start number with advertising,
2. 2 pcs Advertisement plates,
3. 1 pc Rally plate (43x21 cm, in back)
4. 2 pcs (25x10cm) windscreen sticker

Others: in Bulletin!



6 IDENTIFICATION

MNASZ (ASN) General Prescriptions Art. 15. Rally plates, names of driver and co-driver(s), ID card.

7 TYRES

MNASZ (ASN) General Prescriptions Art. 12.

8 FUEL

Commercially available fuel must be used which cannot contain any additives. Refuelling in the refuelling zone in the Service Park.

9 ADMINISTRATIVE CHECKS

9.1 LOCATION: **BUGAC, MAYOR'S OFFICE**
 Bugac, Béke út 10.

GPS: 46°41.226'É 19°40.949'K

9.2 TIME AND SCHEDULE:

20.04.2018 16:00 – 17:30

Safety equipment must be collected before the administrative checks. (M-Info)

9.3 DOCUMENTS TO BE PRESENTED:

- Entrant licence
- Driver and Co-driver licences
- Driver and Co-driver's valid Driving Licence
- ASN Licence for foreign competitors /International Licence/
- Entry Form - fully completed
- Vehicle registration document or temporary traffic permission for SP numbers and belonging Start Diary
- Compulsory car insurance policy
- Starting Permission (who is concerned)
- Authorization from the owner of the vehicle in case is other than the driver or navigator
- FIA Technical Passport, or ASN Passport for competitors with foreign licences

10 TECHNICAL SCRUTINEERING AND MARKINGS

10.1 LOCATION: Volunteer Firefighter Association in Bugac.
Bugac, Béke út 10. GPS: 46°41.204'É 19°40.985'K

ANY MEMBER OF THE "TEAM" CAN TAKE THE VEHICLE TO THE TECHNICAL SCRUTINEERING.

10.2 TIME AND SCHEDULE:

20.04.2018

16:30 – 18:00

10.3 PARC FERMÉ:

Following the technical scrutineering, each vehicle must be set in Parc Fermé between **17:00 and 18:00** See 12.1.

10.4 REQUIREMENTS AT TECHNICAL SCRUTINEERING:

- Vehicles must be presented with all start numbers, rally plates, and advertisements fixed properly on the designated place.
- Tracking equipment and inter-vehicle signalling system installed and operable,
- Scrutineering Sheet- filled up
- Homologation Form, valid Technical Passport
- All personal safety equipment (eg.: helmet, fireproof clothing, gloves, FHR, fireproof underwear, etc.) must be presented.
- Technically corresponding and approved size fire extinguisher properly fitted in the car
- Warning triangle, survival kit

10.5 SAFETY REQUIREMENTS:

It is obligatory for all competitors to use the GPS tracking and inter-vehicle signalling system (M-Info). System must be rented before administrative checks.

11 SUPERSPECIAL

NOT WILL BE HELD.

12 START OF THE EVENT

12.1 PRE-START PARC FERMÉ:

LOCATION: H-6114 BUGAC, Kossuth utca, behind the Cultural House

TIME: 20.04.2018 17:00-18:30

GPS: 46°41.207'É 19°40.717'K

12.2 BRIEFING: (COMPULSORY)

LOCATION: H-6114 BUGAC, Nagybugac 135. Táltos Lovaspanzió

TIME: 20.04.2018 19:00

12.3 PUBLICATION OF START LISTS AND START TIMES:

According to Schedule.

12.4 START CEREMONY / OFFICIAL START:

LOCATION: H-6114 BUGAC, Kossuth utca, behind the Cultural House

TIME: 21.04.2018 09:00

13 RUNNING OF THE EVENT

13.1 DISTRIBUTION OF ROADBOOKS

At Briefing.

13.2 DISTRIBUTION OF TIME CARDS, CHANGE OF TIME CARDS:

Time cards will be issued before the Start of each Leg and must be submitted to the marshals at the Finish of each Leg.

Time cards will be changed on TC6 and TC12.

13.3 LIMITED DELAY

Maximum delay between two TC is 30 minutes per Leg. Delay exceeding this limit will result in exclusion.

13.4 FIXED PENALTY

On racing days, those competitors who got fixed penalties can restart to the race- at the stages of IE/TC 6, IE/TC12 until the first vehicle's planned time, in compliance with the other rules described in the Hungarian General Prescriptions rule book.

13.5 EARLY CHECK IN AT THE END OF EACH LEG:

At the end of each Leg at the TC at the entry of Parc Fermé competitors can check in ahead of time without penalty. (IE/TC 11, IE/TC 20)

13.6 PARC FERMÉ:

Between the Legs (for the night) race vehicles must be placed in the Parc Fermé.

LOCATION: BUGAC, Kossuth utca, behind the Cultural House

14 SERVICE PARK

14.1 LOCATION: TÁLTOS LOVASPANZIÓ, BUGAC, NAGYBUGAC 135.
GPS: 46°40.246'É 19°39.244'K

14.2 OTHERS:

Washing in the Service Park area is prohibited.

Refuelling in the refuelling zone in the Service Park.

Entry will service park be permitted only to Service Vehicles showing the Service Plates.

In each service area compulsory 1 pcs minimum 4 kg validated fire extinguisher.

Using a min 5x4m protector canvas under the racing vehicles is mandatory.

Each service team has to ensure that after carrying out their activities on the site, they do not leave any pollutants. They will be checked by the technical supervisors, and not complying will entail a 50.000 HUF fine.

The Organizer calls the attention of the participants, that the Service Park is not guarded at night time!

15 PROTESTS

Protest fee:	General:	100.000 HUF
	Technical:	100.000 HUF

16 FINAL TECHNICAL SCRUTINEERING

LOCATION: Parc Fermé
TIME: 22.04.2018 from 13:05

17 RESULTS

17.1 PUBLICATION OF PROVISIONAL CLASSIFICATION LEG 1:

TIME: 21.04.2018 18:00

PUBLICATION OF PROVISIONAL CLASSIFICATION LEG 2:

TIME: 22.04.2018 14:30

17.2 PUBLICATION OF FINAL RESULTS:

LOCATION: 22.04.2018 15:00

TIME: Official Notice Board

18 PRIZES

18.1 PRIZEGIVING:

LOCATION: H-6114 Bugac, Nagybugac 135. Táltos Lovaspanzió

TIME: 22.04.2018 15:10

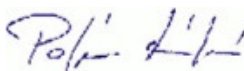
19 SIDE BY SIDE GROUP

Rules: General Prescriptions 2018. v.2.

19.1 SELECTIVE SECTIONS:

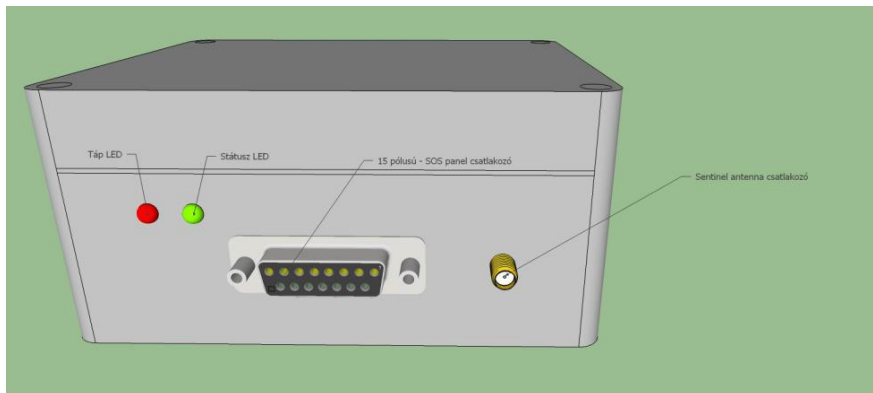
Total distance:		360 km			
Day 2	157,5 km	SS 1	71,5 km	SS 2	71,5 km
Day 3	140,3 km	SS 3	56,4 km	SS 4	56,4 km

VISA NUMBER: MNASZ K- 0122 /2018.04.03.



Mr. László POLGÁR
Cross-Country Rallye Committee

I. Technical description of the operation of the GPS System V1



Pic. No. 1.: GPS box Sizes: 115x90x55mm Weight: 340g + pipe clamps 110g

General operating principle of GPS measurements:

The GPS is an advanced positioning system for three-dimensional position determination, timing and velocity measurements can be carried out by land, sea or air. Accuracy is typically of the order of meters, but the environmental conditions can affect significantly. In the sky from the flat ground there are 7-25 satellites visible at the same time, of which for positioning at least three, for the height above sea level one additional satellite is necessary for determination. The GPS satellites are broadcasting at six frequencies. Each satellite broadcasts spread spectrum signal which may be "pseudo-random noise" called for.

The positioning is based on the theory of analytic geometric methods. The satellite positioning system is based on timing recycle distance measurement. Since we know the velocity of radio waves, and we know the date of issue and receipt of radio waves, can be determined based on the distance of the source of these. In the three-dimensional space knowing the exact measured distance from three known positions we are able to determine the position. Measuring the distance with other satellites we are able to improve this value.

Cause A significant distortion in the system can be caused by the effect of atmospheric to the radio waves. At the description of the calculations we assumed that to simply calculate with the distance = rate x time formula. This is true, but that the speed of radio waves are only constant in the vacuum pressure.

Evaluation of data

The evaluation of uploaded data can be determined in two different ways.

Initial assessment of the competition supervision interface, real time data available online. This means the data that the device has been uploaded to the central database and downloaded online, analyzed by the supervisory program. The yet uploaded, or not yet analyzed data will be carried over in the subsequent analysis. Not uploaded data case occurs when the device is in the absence of strength of GSM signal, and can not upload data to the central database. In the case where the data is available online in the database, but local network is busy or the download has interrupted due to bad network relationship, then the analysis of loss data only partially can take place online.

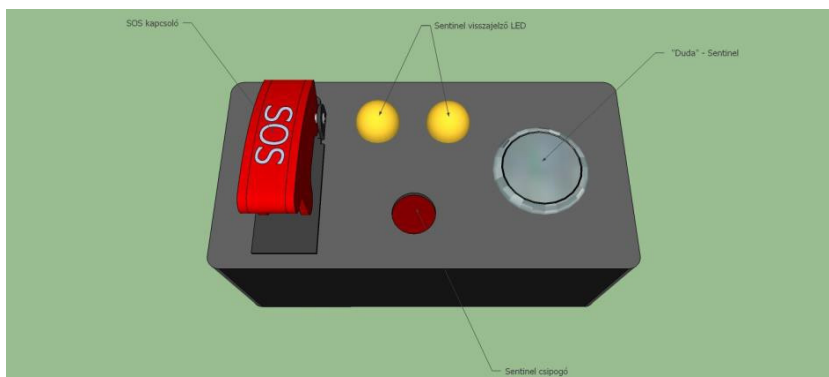
Alternate method is retrospective data analysis. In this case, the data collected what has been received by a specified time interval sets the database to a file, and the data can be evaluated from point to point.

Alarm vehicle to vehiclefunction

The device has a frequency of 433 MHz using radio module, which is broadcasting the data of an encoded in advance "bagpipe" and SOS functions corresponding sets of data, for the tools staying in range. The range distance can be greatly affected by ambient atmospheric conditions and terrain. The device has adjustable transmission power. This value is not possible adjustable during the race. Currently, the alarm vehicle to vehicle has two functions:

- "Toot" function, which indicates the overtaking intent of a alarm vehicle to vehicle equipped car up to 100m distance. Pressing the SOS button, placed int he box, a red LED indicates the start, which lasts for 5 seconds. In the event that the other device receives the sent signal, then this confirms to the sending device and the server uploads the signal, and at the same time, in the overtaken vehicle's SOS panel's LED will lit blue with a beep sound (continuous), and in the overtaker's vehicle the LED color changes from red to blue light, no beep sound here. The indicator remains on the overtaken's vehicle for 10 seconds. Then, each signal is switched off until a next signal.

- Send SOS signal devices within range. This feature will be active if on the SOS panel, the SOS switch is turned on. Send the device continues the signal, until the SOS switch is turned on. In the case where a device receives the SOS signal , on the SOS panel the red and blue LED will blink, with a pulse (0.5 s) alarm signal, as long as is still within range. This feature requires a power supply operation.

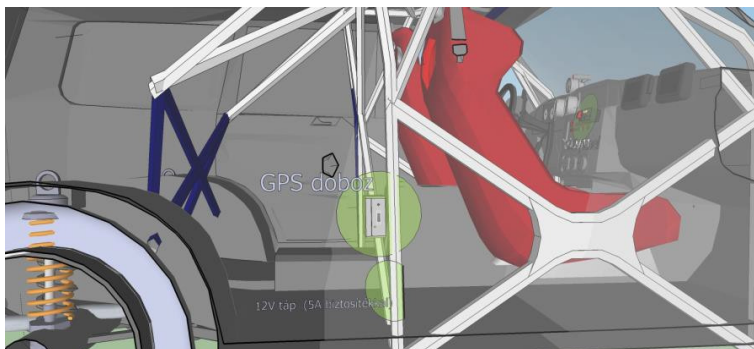


Pic. No. 2.: SOS Panel Sizes: 95x48x67mm Weight: 120 g

Tool installation

- SOS panel, alarm vehicle to vehicle antenna placement: Previously purchased SOS panel's red and black wires with the 2poled TMWS2T connector must be connected to the 5A fuse mating port (horizontal shoe positive, vertical shoe negative polarity), 15 poled connector's end has to be wired with the right B column. SOS panel should be placed on the dashbord in such a way that both the driver and the navigator can reach. The adhesive antenna supplied shall be affixed to the top right corner of the windshield horizontally, the end of the cable wired to the right-hand column B.
- Installing the device: The device received at the Administrative check must be connected to the previously purchased and installed SOS panel and alarm vehicle to

vehicle antenna. The device must be fixed in the right column B with 2 clamps so that the device does not move and the visibility ensured.



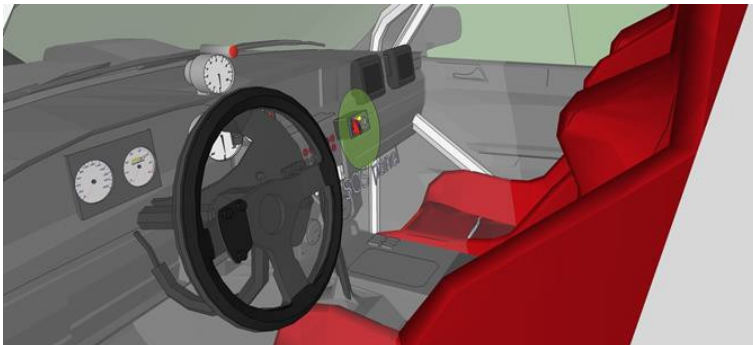
Pic. No. 3.: How to install 1.4



Pic. No. 4.: How to install 2.4



Pic. No. 5.: How to install 3.4



Pic. No. 6.: How to install 4.4

- To verify the functionality of the device will take place at the Technical Scrutineering .
- At the end of the race the device should be returned to the colleagues, where the deposit will be repayed. In case if the device has any problem, until identifying the problem, the competitor is entitled to the deposit only after a corresponding deduction.

More info: +36 30 241 31 11

Mr. Zsolt MARTON