

**中国汽车场地职业联赛**

**超级杯TCS-C组车型改装审查表**

**注册人/APPLICANT**

|  |
| --- |
| XXX |

**提交日期/ DATE**

|  |
| --- |
| YYYY/MM/DD |

**版本/ VERSION**

|  |
| --- |
| 第 n 版 |

**说明：**

1. 此表为注册车型改装合规性的审查项目清单，根据注册规则之规定，应在改装赛车与填写注册标签根据要求提交注册车型的设计方案，请根据注册车辆实际情况填写或勾选下表信息。
2. “□“为单项选择，根据单选的项目及要求提交相应的配套文件。

**1.** 制造商/ MANUFACTURER

|  |
| --- |
| 填写/Description |

**2.** 车型和类型/ MODEL AND TYPE

|  |  |
| --- | --- |
| a）车型和类型/ Model and type | 填写/Description |
| b）原装车架号码/ Typical original chassis number | 填写/Description |
| c）成品赛车车架号码/ Typical racecar chassis number | 填写/Description |

P1-1）原型车铭牌照片/ Vehicle identification plate of original car

|  |
| --- |
| 添加照片  Photo |

P1-2）计划赛车铭牌位置/ Position of vehicle identification plate on racecar

|  |
| --- |
| 添加图片  Photo/Drawing |

**3.** 整车重量/ OVERALL WEIGHT

|  |  |  |
| --- | --- | --- |
| a）原型量产车/ Original car | 填写/Description | kg |
| b）预计赛车最低重量/ Min weight of racecar | 填写/Description | kg |

**4.** 车身/ BODYWORK

|  |  |  |  |
| --- | --- | --- | --- |
| a1) 原型量产车最大长度/ Length of original car | | 填写/Description | mm ± 10 mm |
| a2) 赛车最大长度/ Length of racecar | | 填写/Description | mm ± 10 mm |
| b1) 原型量产车最大宽度/ Width of original car | | 填写/Description | mm +0/-1% |
| b2) 赛车最大宽度/ Width of racecar | | 填写/Description | mm +0/-1% |
| □ 完全原装车身 / Original Bodywork □ 改装车身 / Modified Bodywork | | | |
| c) 如有改装，勾选改装的零件，并文字描述改装原因及方式。如无改装则无需勾选并描述。 Tick if the component is modified, and describe the method and reason. Leave blank if no modification. | | | |
| □ 前保险杠 / Front Bumper | 填写/Description | | |
| □ 发动机盖 / Engine bonnet | 填写/Description | | |
| □ 前风铲 / Front Splitter | 填写/Description | | |
| □ 前叶子板 / Front fender | 填写/Description | | |
| □ 前车门 / Front door | 填写/Description | | |
| □ 侧裙 / Side skirt | 填写/Description | | |
| □ 车顶 / Roof | 填写/Description | | |
| □ 后车门 / Rear door | 填写/Description | | |
| □ 后叶子板 / Rear fender | 填写/Description | | |
| □ 后保险杠 / Rear bumper | 填写/Description | | |
| □ 行李箱盖 / Boot lid | 填写/Description | | |
| □ 风挡玻璃 / Windscreen | 填写/Description | | |
| □ 前侧窗玻璃 / Front side window | 填写/Description | | |
| □ 后视镜 / Rear view mirror | 填写/Description | | |
| □ 后侧窗玻璃 / Rear side window | 填写/Description | | |
| □ 后窗 / Back window | 填写/Description | | |
| □ 尾翼 / Rear wind | 填写/Description | | |
| □ 扩散器 / Diffuser | 填写/Description | | |
| □ 车底平板 / Bottom plate | 填写/Description | | |
| □ 前车灯 / Headlamp | 填写/Description | | |
| □ 后车灯 / Rear lamp | 填写/Description | | |

P4-1）从车前3/4位置看见的原型车 P4-2）从车后3/4位置看见的原型车

Car seen from 3/4 front Car seen from 3/4 rear

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

P4-3）从车前3/4位置看见的赛车设计图 P4-4）从车后3/4位置看见的赛车设计图

Racing car seen from 3/4 front Racing car seen from 3/4 rear

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

P4-5

|  |
| --- |
| 成品赛车外观三视图/ Three views drawing of racecar |
| 添加图纸/3 views设计图  Drawing/3 views Display  用号码标出每一个需注册的零件  Mark each part to be registered with a number |

*需求标注尺寸，包括车宽、前风铲安装位置、尾翼安装高度、尾翼总成最后缘距后轴中心线距离*

*Mark the dimensions, including vehicle width, installation position of front air shovel, installation height of tail wing, and the distance between the rearmost edge of tail wing assembly and the centerline of rear axle*

P4-6）尾翼设计图（需求可视翼展、各截面弦长） P4-7）扩散器设计图三视图

Rear wind design drawing (wind span and chord length) Diffuser design drawing

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

P4-8）前保险杠设计图 P4-9）后保险杠设计图

Front bumper design drawing Rear bumper design drawing

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

P4-10）发动机盖修改设计图 P4-11）前叶子板设计图

Engine cover change design drawing Front fender design drawing

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

P4-12）后叶子板宽体设计图（含车门部分） P4-13）车底平板设计图

Rear fender wide-body design drawing Car bottom plate design drawing

|  |  |
| --- | --- |
| 添加照片  Photo | 添加照片  Photo |

**5.** 轴距/ WHEELBASE

|  |  |  |
| --- | --- | --- |
| 原型量产车/ Original car | 填写/Description | mm ± 10 mm |
| 成品赛车/ Finished racecar | 填写/Description | mm ± 10 mm |
| □ 前轴前移 / Front axle move foward | 填写/Description | mm |
| □ 后轴后移 / Rear axle move backward | 填写/Description | mm |

**6.** 车架 / Body

P6-1）添加车架改装设计图纸图片并简述对车架的所有改装/body modification design drawing and description of all modification to body

|  |
| --- |
| 添加图纸  Drawing |

6.1 防滚架 / Safety Cage

|  |  |  |
| --- | --- | --- |
| a）管材材质/Tube material | 填写/Description | |
| b）管材尺寸/Tube size | A | B |
| 填写/Description | 填写/Description |
| b1）管材数量/Number of tubes | 填写/Description | 填写/Description |

I3-1）防滚架设计图

Drawing of the rollcage

|  |
| --- |
| 添加图纸  Drawing |

6.2前悬架塔顶 / Front suspension turret , Top Mount

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装前悬架塔顶对比原装 / Modification Front turret compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

6.3前轮拱 / Front wheel arch

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装前轮拱对比原装 / Modification Front wheel arch compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

6.4后悬架塔顶 / Rear suspension turret , Top Mount

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装后悬架塔顶对比原装 / Modification rear turret compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

6.5后轮拱 / Rear wheel arch

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装后轮拱对比原装 / Modification rear wheel arch compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

6.6油箱安装 / Fuel Tank Installation

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 数量/Number | 填写/Description | | | 品牌/make | | | 填写/Description | 型号/Model | | | 填写/Description |
| 容积/Capacity | | | 填写/Description | | | | | | L ±3L | | |
| 位置/Location | | | 填写/Description | | | | | | | | |
| 材料/Material | | | 填写/Description | | | | | | | | |
| 加油口位置/Location of filler holes | | | | | 填写/Description | | | | | | |
| 安全阀/Safety valve | | 填写/Description | | | | 过压阀/Over pressure valve | | | | 填写/Description | |

油箱照片或图片——拆下状态 油箱安装格——拆下状态

Fuel tank photo or picture - Dismounted Fuel tank vane - Dismounted

|  |  |
| --- | --- |
| 添加图片  Photos or drawings  可以使用供应商展示图片 | 添加图片  Photos or drawings |

车身为油箱所作开口位置及尺寸 油箱安装状态描述

Chassis cut position and dimensions Fuel tank mounted

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

6.7前后主梁 / Front and Rear mail rail

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装前后主梁对比原装 / Modification rear wheel arch compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

6.8 其他改装 / Other modifications

|  |  |
| --- | --- |
| 如有改装，勾选改装的零件，并文字简要描述改装原因及方式。若无改装则无需勾选并描述。Tick if the component is modified, and describe the method and reason. Leave blank if no modification. | |
| □ 防火墙 / Front | 填写/Description |
| □ 中央通道 / Central Tunnel | 填写/Description |
| □ 横梁 / Cross car beam | 填写/Description |
| □ 车顶 / Roof | 填写/Description |
| □ 前纵梁 / Front main rail | 填写/Description |
| □ 后纵梁 / Rear main rail | 填写/Description |
| □ 白车身开口 / Opening on BIW | 填写/Description |

描述/ Description

|  |
| --- |
| 描述  Description |

**7.** 悬架 / Suspension

7.1 前悬架 / Front suspension

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 原厂前悬架类型/ Original  Front suspension type | 填写/Description | 赛车前悬架类型/ Racecar  front suspension type | | | 填写/Description |
| 副车架至车身安装点数量/  Number of fixing points of subframe to body shell | | | 填写/Description | | |
| 副车架紧固方式 （如螺栓连接）/  Type of subframe fixing | | | 填写/Description | | |
| 减震器品牌/ Make of shock absorber | 填写/Description | 减震器型号/Model of shock absorber | | | 填写/Description |
| 减震器可调路数/ Number of adjustable ways of shock absorber | | | | 填写/Description | |

P7-1）前悬架改装整体描述/ Description of front suspension modification

|  |
| --- |
| 添加图片  Photos or drawings |

P7-2）改装后车轮整体运动学图示/ description and operating principle of the wheel kinematics

|  |
| --- |
| 添加照片  Photo |

7.1.1 前下摆臂 / Lower Front Arm

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装摆臂 / Modification Arm |

若勾选改装摆臂，需展示改装下摆臂与原装比较图（带硬点变化量） / Comparison of race lower front arm to original (with dimension of hard point change), if modification arm.

|  |
| --- |
| 添加图片  Photos or drawings |

7.1.2 前上摆臂（如适用） / Upper Front Arm (if applicable)

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装摆臂 / Modification Arm |

若勾选改装摆臂，需展示改装上摆臂与原装比较图（带硬点变化量） / Comparison of race upper front arm to original (with dimension of hard point change)，if modification arm.

|  |
| --- |
| 添加图片  Photos or drawings |

7.1.3 前副车架 / Front subframe

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

若勾选改装，需展示改装副车架对比原装图示 / Modification subframe compared to original subframe，if modification.

|  |
| --- |
| 添加图片  Photos or drawings |

7.1.4 转向节(立柱) / Bare hub-carrier

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

若勾选改装，需描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

若勾选改装，需展示改装转向节(立柱)对比原装标示图 / Modification Bare hub-carrier compared to original, if modification.

|  |
| --- |
| 添加图片  Photos or drawings |

7.1.5 前减震器 / Front Shock Absorber

前减震器——拆下状态 前减震器——总成安装状态

Shock absorber - Dismounted Shock absorber assembly – in location

|  |  |
| --- | --- |
| 添加图片  Photos or drawings  允许使用供应商展示图片 | 添加图片  Photos or drawings |

塔顶连接件图示 转向节连接件图示

Strut adapter drawing Hub adapter drawing

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

7.1.6 前防倾杆 / Front Anti Roll Bar (ARB)

|  |  |  |  |
| --- | --- | --- | --- |
| □ 原装/Original | | □ 改装 / Modification | |
| 对于改装防倾杆/ For modified ARB | | | |
| 注册防倾杆数量/ Number of ARB homologation | 填写/Description | 防倾杆直径/ Diameter of ARB | 填写/Description |
| □ 固定/Fixed □ 可调/Adjustable | | 调节方式/ Adjust type | 填写/Description |

改装前防倾杆1与原装对比图 / Modification Front ARB compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

7.1.7转向系统 / Steering System

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| □ 原装转向系统/Original steering system | | | □ 改装转向系统 / Modified steering system | | |
| 转向助力系统位置/Position of Power steering | | | □ 管柱/ Column □ 转向机/ Steering Gear | | |
| 转向助力类型/ power steering type | | □ 电子/ EPS □ 液压/ HPS □ 电子液压/ EPHS | | | |
| 对于更换转向助力，需填写以下信息 / For Modified Steering System： | | | | | |
| 转向助力器制造商/ Power steering Make | 填写/Description | | | 转向助力器型号/ Power steering Model | 填写/Description |
| 所属车辆制造商/ Vehicle Make | 填写/Description | | | 所属车型/ Vehicle Model | 填写/Description |
| 勾选所有改装的零件，并说明改装原因及改装方式 / Tick Modified Component and Describe Reason and Mothod： | | | | | |
| □ 转向机 / Steering gear | | 填写/Description | | | |
| □ 转向拉杆 / Steering link | | 填写/Description | | | |
| □ 转向管柱 / Steering column | | 填写/Description | | | |
| □ 中间轴 / Intermediate shaft | | 填写/Description | | | |
| □ 助力泵 / Power steering pump | | 填写/Description | | | |

转向系统改装图示 / Illustration of steering system modification

|  |
| --- |
| 添加图片  Photos or drawings |

7.2后悬架 / Rear suspension

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 原厂后悬架类型/ Original  rear suspension type | 填写/Description | 赛车后悬架类型/ Racecar  rear suspension type | | | 填写/Description |
| 副车架至车身安装点数量/  Number of fixing points of subframe to body shell | | | 填写/Description | | |
| 副车架紧固方式 （如螺栓连接）/  Type of subframe fixing | | | 填写/Description | | |
| 减震器品牌/ Make of shock absorber | 填写/Description | 减震器型号/ Model of shock absorber | | | 填写/Description |
| 减震器可调路数/ Number of adjustable ways of shock absorber | | | | 填写/Description | |

P7-3）后悬架改装整体描述/ Description of rear suspension modification

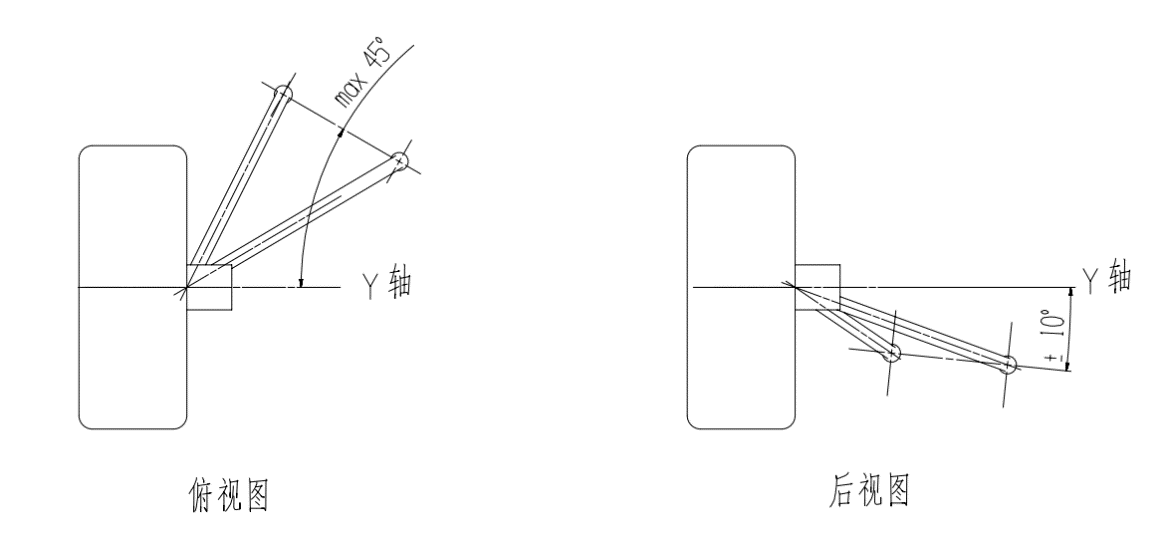
|  |
| --- |
| 描述  Description |

P7-4）改装后车轮整体运动学图示/ Operating principle of the wheel kinematics

|  |
| --- |
| 添加图片  Photos or drawings |

7.2.1 扭力梁悬架改装 / Modification of torsion beam suspension

|  |  |  |  |
| --- | --- | --- | --- |
| □ 原装/Original | □ 改装扭力梁 / Modification Torsion Beam | | |
| □ 改为拖曳臂悬架/Change to trailing arm | **对于改装为拖曳臂悬架，需填写以下信息 / For Changing to Trailing Arm Type：** | | |
| □ 拖曳臂前轴承点保持原扭力梁轴承位置/Trailing arm front bearing assumes torsion beam bearing position | | | |
| 是否新增支撑点/Whether to add new pivoting points? □是/Yes □否/No | | | |
| 拖曳臂转轴点连线在X-Y平面内的投影与Y轴的夹角 | | 填写/Description | ° |
| 拖曳臂转轴点连线在Y-Z平面内的投影与Y轴的夹角 | | 填写/Description | ° |



改装扭力梁与原装比较图示与说明/ Comparison of race torsion beam to original

|  |
| --- |
| 添加照片和描述  Photo and description |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

拖曳臂——拆下状态 拖曳臂——安装状态

Trailing arm - Dismounted Trailing arm - Mounted

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

7.2.2 连杆系统（对于多连杆悬架） / Linkages (of Multi-link Suspension)

|  |  |
| --- | --- |
| □ 完全原装/Original | □ 存在改装 / Modification |

若存在改装，简述所有连杆与原装差异和图示（带硬点变化量） / Comparison of race linkages to original (with dimension of hard point change)，if modification.

|  |
| --- |
| 添加描述和图示  Description and Photo |

7.2.3 后下摆臂（如适用） / Lower Rear Arm (if applicable)

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装摆臂 / Modification Arm |

若存在改装，简述改装下摆臂与原装差异和图示（带硬点变化量） / Comparison of race lower rear arm to original (with dimension of hard point change),if modification.

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

7.2.4 后上摆臂（如适用） / Upper Rear Arm (if applicable)

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装摆臂 / Modification Arm |

若存在改装，简述改装上摆臂与原装差异和图示（带硬点变化量） / Comparison of race upper rear arm to original (with dimension of hard point change), if modification.

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

7.2.5 后副车架（如适用） / Rear subframe (if applicable)

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

若存在改装，简述改装副车架对比原装差异和图示 / Modification subframe compared to original subframe. If modification

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

7.2.6后束角控制臂（如适用） / Toe link bracket (if applicable)

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

改装后束角控制臂对比原装标示图 / Modification Toe link bracket compared to original

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

7.2.7 转向节(立柱) / Bare hub-carrier

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |

若存在改装，描述改装项目以及目的 / Description the modification, if modification.

|  |
| --- |
| 描述  Description |

若存在改装，改装转向节(立柱)对比原装标示图 / Modification Bare hub-carrier compared to original, if modification.

|  |
| --- |
| 添加图片  Photos or drawings |

7.2.8 后减震器 / Rear Shock Absorber

后减震器——拆下状态 后减震器——总成安装状态

Shock absorber - Dismounted Shock absorber assembly – in location

|  |  |
| --- | --- |
| 添加图片  Photos or drawings  允许使用供应商展示图片 | 添加图片  Photos or drawings |

塔顶连接件图示 （如适用） 转向节连接件图示 （如适用）

Strut adapter drawing (if applicable) Hub adapter drawing (if applicable)

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

7.2.9 后防倾杆 / Rear Anti Roll Bar (ARB)

|  |  |  |  |
| --- | --- | --- | --- |
| □ 原装/Original | | □ 改装 / Modification | |
| 对于改装防倾杆/ For modified ARB | | | |
| 注册防倾杆数量/ Number of ARB homologation | 填写/Description | 防倾杆直径/ Diameter of ARB | 填写/Description |
| □ 固定/Fixed □ 可调/Adjustable | | 调节方式/ Adjust type | 填写/Description |

改装后防倾杆1与原装对比图 / Modification Rear ARB compared to original

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

**8.** 动力总成/ Powertrain

**8.1** 发动机/ ENGINE

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 发动机选择/ Choice of engine | | □ 原装车所属/From original car  □ 更换发动机/From another car | | |
| 制造商/Make | 描述 Description | 型号/Model | 描述 Description | |
| 来自车辆制造商品牌及型号 / Make and Model of Donor Car | |  | | |
| 气缸容积/ Cylinder capacity | | 填写/Description | | cm³ |
| 最大压缩比/ MAX COMPRESSION RATIO | | 填写/Description | | ：1 |
| 进气方式 / Aspiration | | □ 原装自然吸气/NA Engine  □ 原装涡轮增压/ Turbo Engine | | |

P8-1）赛车发动机总成图示 / Illustration of racecar full engine assembly

|  |
| --- |
| 添加图片  Photos or drawings  包含完整进气系统，以及除排气中尾段外的完整排气系统，以及所有冷却器  Includes complete intake system and complete exhaust system except mid-tail section, and all coolers |

8.1.1涡轮增压器 / TURBOCHARGER

|  |  |  |  |
| --- | --- | --- | --- |
| 涡轮增压器选择/ Choice of turbo | □ 来自原发动机/From original engine  □ 更换涡轮/Turbo Refit | | |
| 赛车涡轮增压器型号/ Racecar turbocharger model | | 填写/Description | |
| 泄压阀控制方式/ Method of wastegate control | | □ 气动/Pneumatic □ 电动/Electric | |
| 对于更换涡轮，需填写以下信息 / Fill in Following Information for Refit Turbocharger： | | | |
| 所属车辆制造商/ Vehicle make | 填写/Description | 所属车型/ Vehicle Model | 填写/Description |
| 发动机型号/ Engine Model | 填写/Description | 年份/ Model year | 填写/Description |

进气限制器/Intake Restrictor

|  |  |
| --- | --- |
| 与涡轮安装方式/ Method of fixing to turbocharger | □ 螺栓连接/Bolt □ 其他/Others |
| 如选择“其他”方式，请陈述： | 填写/Description |

涡轮增压器——拆下状态 涡轮增压器与进气限制器安装状态

Turbocharger - Dismounted Assembly of turbocharger and restrictor

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

进气限制器图纸（带尺寸） / Restrictor DRAWING (with dimensions)

|  |
| --- |
| 添加图纸  Drawing |

8.1.2排气歧管 / EXHAUST MANIFOLD (选择更换涡轮的车辆填写)

|  |  |
| --- | --- |
| □ 原装排气歧管/Original exhaust manifold | □ 改装排气歧管/ Modification exhaust manifold |
| 改装排气歧管原因/Reason of modification :  描述  Description | |

改装排气歧管与原装排气歧管对比图示 / Modification Exhaust Manifold compared to original

|  |
| --- |
| 添加图片  Photos or drawings |

8.1.3 冷却水箱 / Cooling SYSTEM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| □ 原装水箱/Original cooling box | | □ 更换其他水箱/ Refit cooling box | | | |
| 赛车冷却水箱品牌型号/ Racecar cooling box make & model | | | | 填写/Description | |
| 对于更换冷却水箱，需填写以下信息 / Fill in Following Information for Refit cooling box： | | | | | |
| 所属车辆制造商/ Vehicle make | 填写/Description | | 所属车型/ Vehicle Model | | 填写/Description |
| 发动机型号/ Engine Model | 填写/Description | | 年份/ Model year | | 填写/Description |

改装冷却水箱图片及安装位置 / Cooling box picture and mounting position

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | |
| 热交换方式/ Heat exchange method | □ 空气冷却/ With air □ 液体冷却/ With coolant |

8.1.4中冷器 / INTERCOOLER SYSTEM

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| □ 原装中冷/Original Intercooler | | □ 更换其他中冷/ Refit Intercooler | | | |
| 赛车中冷器品牌型号/ Racecar intercooler make & model | | | | 填写/Description | |
| 对于更换中冷器，需填写以下信息 / Fill in Following Information for Refit Intercooler： | | | | | |
| 所属车辆制造商/ Vehicle make | 填写/Description | | 所属车型/ Vehicle Model | | 填写/Description |
| 发动机型号/ Engine Model | 填写/Description | | 年份/ Model year | | 填写/Description |

改装中冷器图片及安装位置 / Intercooler picture and mounting position

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | |
| 热交换方式/ Heat exchange method | □ 空气冷却/ With air □ 液体冷却/ With coolant |

8.1.5点火模块 / IGNITION COIL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| □ 原装点火模块/Original Ignition Coil | | □ 更换其他点火模块/ Refit Ignition Coil | | |
| 赛车点火模块品牌型号/ Racecar coil make & model | | | 填写/Description | |
| 对于更换点火模块，需填写以下信息 / Fill in Following Information for Refit Ignition Coil： | | | | |
| 所属车辆制造商/ Vehicle make | 填写/Description | | 所属车型/ Vehicle Model | 填写/Description |
| 发动机型号/ Engine Model | 填写/Description | | 年份/ Model year | 填写/Description |

改装点火模块图片/ Ignition coil picture

|  |
| --- |
| 添加图片  Photos or drawings |

8.1.6油底壳/Oil Pan

改装油底壳与原装油底壳对比图示 / Modification oil pan compared to original

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

8.1.7发动机的安装点及安装位置 / LOCATION AND POSITION OF THE ENGINE

|  |  |  |
| --- | --- | --- |
| 赛车曲轴轴线与量产车位置的距离/ Racecar crankshaft axis distance with original car | 填写/Description | mm |
| 发动机倾斜角度/ Engine inclination angle | 填写/Description | ° |

赛车发动机安装位置与原装对比 / Racecar engine position compared to original

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

8.1.8 发动机悬置数量 / ENGINE SUPPORTS

|  |  |
| --- | --- |
| 发动机悬置数量 / NUMBER OF SUPPORTS | 填写/Description |

发动机悬置图示 / Illustration of engine supports

|  |
| --- |
| 添加描述和图示  Description and Photo/Drawing |

8.1.9飞轮 / Fly wheel

|  |  |
| --- | --- |
| □ 原装/Original | □ 改装 / Modification |
| 飞轮材料/Material | 填写/Description |
| 飞轮质量/Weight of fly wheel | 填写/Description |

描述改装项目以及目的 / Description the modification

|  |
| --- |
| 描述  Description |

改装飞轮对比原装 / Modification rear wheel arch compared to original

|  |
| --- |
| 添加图片  Photos or drawings  原装飞轮仅提供原装飞轮图片即可  Only Original fly wheel photo if no modification |

8.1.10其他改装 / Other modifications

|  |  |  |
| --- | --- | --- |
| 如有改装，勾选改装的零件，并文字描述改装原因及方式。/Description for modified component. | | |
| □ 发电机 / Alternator | 填写/Description |
| □ 水泵 / Water pump | 填写/Description |
| □ 节气门 / Throttle | 填写/Description |
| □ 火花塞 / Spark plug | 填写/Description |
| □ 喷油器 / Injector | 填写/Description |
| □ 高压油泵 / GDI pump | 填写/Description |
| □ 电子线束 / Wiring harness | 填写/Description |
| □ 发动机缸盖 / Engine cylinder head | 填写/Description |
| □ 进气歧管 / Intake manifold | 填写/Description |
| □ 节气门 / Air damper | 填写/Description |
| □ 缸盖垫片 / cylinder gasket | 填写/Description |
| □ 缸盖固定螺柱及螺母/ Cylinder fixing bolts and buts | 填写/Description |
| □ 曲轴轴瓦 / crankshaft bearing | 填写/Description |

进气歧管改装前后对比图片 节气门改装前后对比图片

Intake manifold before and after drawing Air damper before and after drawing

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

制造商发动机签封位置设计图示 预留技术代表发动机签封位置设计图示

Manufacturer engine label position Reserved engine label position for scrutineer

|  |  |
| --- | --- |
| 添加图片  Photos or drawings | 添加图片  Photos or drawings |

8.2 传动系统/Transmission

8.2.1变速箱/Gearbox

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 变速箱选择/ Choice of gearbox | □ 来自原型量产车/From original car  □ 更换序列式/Change to sequential | | | | |
| 对于来自原装量产车的变速箱，需填写以下信息：/For original gear box | | | | | |
| 操作方式/ Operation type | | | □ 手动/Manual □ 自动/Automatic | | |
| 前进档数量/ Number of gears | | | 填写/Description | | |
| 其他改装陈述/Other modificaitons | | 填写/Description | | | |
| 对于更换序列式变速箱，需填写以下信息：/For sequential gear box | | | | | |
| 变速箱制造商/ Gearbox make | 填写/Description | | 型号/ Model | | 填写/Description |
| 前进档数量/ Number of drive gears | 填写/Description | | 倒车档数量/ Number of reverse gears | | 填写/Description |
| 注册齿比数/ Number of gear sets to be homologated | | | | □ 1套 / 1 set □ 2套 / 2 sets | |

变速箱图片 / Gearbox picture

|  |
| --- |
| 添加照片  Photo |

8.2.2序列变速箱操作/Sequential gearbox operation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 变速箱操作方式/ Operation type of gearbox | | □ 手动/Manual  □ 拨片换挡/Paddle shift control | | |
| 对于使用拨片换挡的情况，需填写以下信息：/For paddle shift gearbox | | | | |
| 换挡驱动方式/ Drive mechanism type | | □ 气动/Pneumatic  □ 电动/Electric  □ 液压/Hydraulic | | |
| 驱动器制造商/ Actuator make | 填写/Description | | 型号/ Model | 填写/Description |

换挡操作图示 / Gearbox operation illustration

|  |
| --- |
| 添加图片  Photos or drawings |

8.2.3离合器/Clutch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 离合器选择/ Choice of clutch | □ 来自原型量产车/From original car  □ 更换赛用/ Swap to race clutch | | | | |
| 离合器制造商/ Clutch make | 填写/Description | | 型号/ Model | 填写/Description | |
| 离合片数量/ Number of plates | 填写 | 离合片直径/ Diameter of plates | | 填写 | mm ±2mm |

离合器图片 / Picture of clutch

|  |
| --- |
| 添加图片  Photos or drawings |

**9.** 电子系统/ Electronics System

|  |  |
| --- | --- |
| 官方数据记录系统选择，根据TCS-C技术规则限制 | |
| □ 官方数据记录仪套件/ Official Logger System | □ ECU做官方记录/ ECU as Official Logger |

P9-1）整车电子系统框架图

Vehicle Electronics Diagram

|  |
| --- |
| 添加图片  Photos or drawings  可以增加图片数量，应反映所有主要设备单元和所有通讯端口、其通讯关系和信号关系、供电关系等  The number of pictures can be increased, which should reflect all major equipment units and all communication ports, their communication relationship and signal relationship, power supply relationship, etc. |

发动机控制单元/ ENGINE ECU

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a）品牌和类型/ Make and type | 填写/Description | 直喷/Direct Injection | | |
| b）型号/ Model | 填写/Description | | | |
| b1）软件版本/ Software ID | 填写/Description | | | |
| b2）软件定制/ Software Customization | □ 定制版软件/Customized□ 通用版软件/Generic | | | |
| c）软件功能/ Software Strategy | **请勾选以下控制策略在固件中是否存在** | | | |
| c1) 维修区限速/ Pit Limiter | □ **√** □ **╳** | | 车速/Speed (km/h) | 填写/Description |
| c2) 起步控制/ Launch Control | □ **√** □ **╳** | | | |
| c3) 全场黄旗限速/ FCY Speed Limit | □ **√** □ **╳** | | 车速/Speed (km/h) | 填写/Description |
| c4) 涡轮防迟滞/ Turbo Anti-lag | □ **√** □ **╳** | | | |
| c5) 循迹性控制/ Traction Control | □ **√** □ **╳** | |  | |
| c6) 电子稳定控制/ ESP Function | □ **√** □ **╳** | |
| c7) 其他对车辆驾驶产生辅助的功能/ Any other driver-aid funtion | 填写/Description | | | |
| c8) 上位机软件工具/ PC Tool (品牌、名称及版本) | 填写/Description | | | |
| d) 数据记录功能/ Data Logging Function | | | | |
| d1) 作为官方数据记录/ Official Logger | □ **√** □ **╳** | | | |
| d2) 作为车队数据记录/ Team Logger | □ **√** □ **╳** | | | |
| d3) 数据存储媒介/ Storage Media | □ USB存储器/Flash Disc  □ 内置存储器/Onboard Memory | | | |
| d4) 数据下载软件/ Data Download Software (品牌、名称及版本) | 填写/Description | | | |
| d5) 数据分析软件/ Data Analysis Software (品牌、名称及版本) | 填写/Description | | | |

电源分配模块/ POWER DISTRIBUTION UNIT

|  |  |
| --- | --- |
| a）品牌和类型/ Make and type | 填写/Description |
| b）型号/ Model | 填写/Description |
| b1）软件版本/ Software ID | 填写/Description |

仪表显示单元/ DASHBOARD DISPLAY UNIT

|  |  |
| --- | --- |
| a）品牌和类型/ Make and type | 填写/Description |
| b）型号/ Model | 填写/Description |
| b1）软件版本/ Software ID | 填写/Description |
| c) 数据记录功能 （如果适用） / Data Logging Function (If Applicable) | |
| c1) 作为车队数据记录/ Team Logger | □ **√** □ **╳** |
| c2) 数据存储媒介/ Storage Media | □ USB存储器/Flash Disc  □ 内置存储器/Onboard Memory |
| c3) 数据下载软件/ Data Download Software (品牌、名称及版本) | 填写/Description |
| c4) 数据分析软件/ Data Analysis Software (品牌、名称及版本) | 填写/Description |

CAN开关面板/ CAN SWITCH PANEL

|  |  |
| --- | --- |
| a）品牌和类型/ Make and type | 填写/Description |
| b）软件版本/ Software ID | 填写/Description |

方向盘开关面板（如适用）/ STEERING WHEEL SWITCH PANEL (If Applicable)

|  |  |
| --- | --- |
| a）品牌和类型/ Make and type | 填写/Description |
| b）软件版本/ Software ID | 填写/Description |