

**2019年CTCC中国房车锦标赛**

**超级杯发动机注册审查表**

**2019 China Touring Car Championship**

**HOMOLOGATION CHECKING LIST FOR ENGINE MODLE IN SUPER CUP**

**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。

Part 1. 原型发动机信息/ORIGINAL ENGINE INFORMATION

**1.** 制造商/ MANUFACTURER

|  |
| --- |
| 填写/Description |

**2.** 商品名称-型号和类型/ COMMERCIAL NAME(S)-MODEL AND TYPE

|  |
| --- |
| 填写/Description |

**3.** 气缸容积/ CYLINDER CAPACITY

|  |  |  |
| --- | --- | --- |
| a) 气缸容积/ Cylinder capacity | 填写/Description | cm³ |
| b) 修正气缸容积/ Corrected cylinder capacity | 填写/Description×填写/Description=填写/Description | cm³ |

**4.** 单个燃烧室最小容积/ MINIMUM VOLUME OF A COMBUSTION CHAMBER

|  |
| --- |
| 填写/Description cm³ |

**5** 压缩比/ COMPRESSION RATIO (IN RELATION WITH THE UNIT)

|  |
| --- |
| 最大/Max.填写/Description :1 |

**6.** 缸径/ BORE

|  |
| --- |
| 填写/Description +0/-0.1mm |

**7.** 冲程/ STROKE

|  |
| --- |
| 填写/Description +0/-0.1mm |

Part 2. 发动机延伸注册信息/EXTENSION ENGINE INFORMATION

**1.** 气缸容积/ CYLINDER CAPACITY

|  |  |  |
| --- | --- | --- |
| a) 单缸/ Unitary | 填写/Description | cm³ |
| b) 总容积/ Total | 填写/Description | cm³ |
| c) 最大允许总容积/ Max. total allowed | 填写/Description | cm³ |

**2.** 压缩比/ COMPRESSION RATIO(IN RELATION WITH THE UNIT)

|  |
| --- |
| 最大/Max.填写/Description :1 |

**3.** 缸径/ BORE

|  |
| --- |
| 填写/Description +0/-0.1mm |

**4.** 冲程/ STROKE

|  |
| --- |
| 填写/Description +0/-0.1mm |

Part 3. 改装项目/ MODIFICATION ITEMS

**1.** 喷油器/ INJECTORS

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| a）品牌和型号/ Model and type | 填写/Description |
| b）喷油器流量/ Injection flow | 填写/Description |

**2.** 点火系统/ INJECTION SYSTEN

**2.1** 点火线圈/ IGNITION COIL

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| a）品牌和型号/ Model and type | 填写/Description |
| b）来自何款车辆/ Source | 填写/Description |

**2.1** 火花塞/ SPARKING PLUG

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| a）品牌和型号/ Model and type | 填写/Description |

**3.** 进气/ INTAKE

**3.1** 进气歧管/ Intake manifold

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| a）歧管材质/ Material of manifold | 填写/Description |
| b）歧管元件数量/ Number of manifold element | 填写/Description |

**3.2** 节气门/ Throttle body

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

**4.** 排气/ EXHAUST

**4.1** 排气歧管/ Exhaust manifold

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| a）歧管材质/Material of manifold | 填写/Description |
| A1）是否有镀层/Existence of coating? | 填写/Description |
| 镀层材质/Material of coating? | 填写/Description |
| A2）是否有包覆/Existence of wrapping? | 填写/Description |
| 包覆材料规格或型号  Wrapping material spec or model | 填写/Description |
| b）歧管元件数量/ Number of manifold elements | 填写/Description |
| c）歧管出口的内部尺寸  Internal volume of manifold | 填写/Description ±0.2mm±2.0mm  如果是原装未加工  if raw and not fabricated |
| c1）管的最小厚度/Min. thickness of tubes | 填写/Description mm |

**5.** 涡轮增压器/ TURBO CHARGER

**5.1** 压力调节类型/ Type of pressure adjustment

|  |  |  |
| --- | --- | --- |
| □ 旁通/ Pass | □ 泄压/ Relief valve | □ 其他/ Other（提交下列信息） |
| 压力调节类型  Type of pressure adjustment | | 如其他/If other  填写/Description |

涡轮压力控制系统示意图/ Illustration of turbo pressure regulation

|  |  |  |  |
| --- | --- | --- | --- |
| 添加图纸  Drawing | | | |
| 是否存在新鲜空气旁通阀/ Pass | □ 是/ Yes □ 否/ No |

**6.** 缸体/ ENGINE BLOCK

|  |
| --- |
| □ 使用原厂/ Using original |

**7.** 缸套/ SLEEVES

|  |  |
| --- | --- |
| a) 加套缸体/Sleeved cylinder block | □ 是/ Yes □ 否/ No |
| b) 材质/Material | 填写/Description |
| b) 类型/Type | □ 湿式/Wet □ 干式/Dry |

**8.** 缸盖/ CYLINDER HEAD

**8.1** 缸盖/ Cylinder head

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装/ Modify（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

**8.2** 螺柱螺栓/ Studs

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit |

**9.** 缸盖垫片/ HEAD GASKET

|  |  |  |
| --- | --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） | |
| 请描述所有的改装项目/ Describe all modified items | | |
| 填写/Description | | |
| 压紧的气缸垫厚度  Thickness of tightened cylinderhead gasket | | 填写/Description ±0.2mm |

**10.** 轴瓦/ ENGINE BEARINGS

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

原厂大瓦 原厂小瓦

Factory main bearing Factory con-rod bearing

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

改装大瓦 改装小瓦

Race main bearing Race con-rod bearing

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

**11.** 活塞/ PISTON

**11.1** 活塞总成/ Piston assembly

|  |  |  |  |
| --- | --- | --- | --- |
| □ 使用原厂/ Using original | | □ 改装更换/ Refit（提交下列信息） | |
| 请描述所有的改装项目/ Describe all modified items | | | |
| 填写/Description | | | |
| a）材质/Material | 填写/Description | | |
| b）活塞环数量/Number of rings | 填写/Description | | |
| b1）活塞环厚度/Thickness of rings | 填写/Description ±0.1mm | | |
| c）最小重量/ Min. weight | 填写/Description g | | 带活塞环、销、卡子、轴承  With pin, bearing, clips and rings |
| g) 活塞冷却系统/ Piston cooling system | □ 是/ Yes □ 否/ No | | |

原厂活塞，从顶部3/4角度看 原厂活塞，从底部3/4角度看

Factory piston from 3/4 top Factory piston from 3/4 bottom

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

改装活塞，从顶部3/4角度看 改装活塞，从底部3/4角度看

Race piston from 3/4 top Race piston from 3/4 bottom

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

**12.** 连杆/ CONNECTING ROD

**12.1** 连杆/ Connecting rod

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |
| a）材质/Material | 填写/Description |
| b）大端类型/Big end type | 填写/Description |
| c）大端内径（无轴瓦）  Interior diameter of the big end (without shell bearings) | 填写/Description +0.1/-0 mm |
| d）轴间长度/Length between axes | 填写/Description ±0.1 mm |
| e）最小重量/Min. weight | 填写/Description g |

**13.** 曲轴/ CRANKSHAFT

**13.1** 曲轴/ Crankshaft

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

**14.** 飞轮/ FLYWHEEL

**14.1** 飞轮/ Flywheel

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

**15.** 凸轮轴/ CAMSHAFT

**15.1.** 凸轮轴/ Camshaft

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| □ 使用原厂/ Using original | | | □ 改装更换/ Refit（提交下列信息） | |
| 请描述所有的改装项目/ Describe all modified items | | | | |
| 填写/Description | | | | |
| a）轴承直径/Diameter of bearings | | | 填写/Description ±0.1mm | |
| b）凸轮尺寸  Cam dimensions | A=  B= | 进气/Intake | 排气/Exhaust |  |
| 填写/Description ±0.1 mm | 填写/Description ±0.1 mm |
| 填写/Description ±0.1 mm | 填写/Description ±0.1 mm |
| A和B的公差值必须与表内数值相符  The tolerances must be used with the same sign for A and B | |

**16.** 气门系统/ VALVES SYSTEM

**16.1.** 连杆/ Connecting rod

|  |  |
| --- | --- |
| □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | |
| 填写/Description | |

**17.** 润滑系统/ LUBRICATION SYSTEM

|  |  |  |
| --- | --- | --- |
| 油底壳/Oil pan | □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 机油泵/Oil pump | □ 使用原厂/ Using original | □ 改装更换/ Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | | |
| 填写/Description | | |

油底壳改装图示/ Modify of oil pan - Drawing

|  |
| --- |
| 添加图纸  Drawing |

**18.** 燃油泵（高压油泵）/ FUEL PUMP (HIGH PRESSURE)

仅适用于直喷发动机/ Only applicable to GDI engine

|  |  |  |
| --- | --- | --- |
| 燃油泵（高压油泵）  fuel pump(high pressure) | □ 使用原厂  Using original | □ 改装更换  Refit（提交下列信息） |
| 请描述所有的改装项目/ Describe all modified items | | |
| 填写/Description | | |

**19.** 燃油喷射 - 电子产品/ FUEL FEED BY INJECTION - ELECTRONICS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a）ECU注册于官方套件/ECU registered in official kit | | | | □ 直接/Direct |
| b）喷油器位置/Injectors position | | | | **□** 缸盖/Cylinder head |
| c）发动机控制系统传感器列表/ List of engine control system sensors  请填写功能以及传感器型号 | | | | |
| C1 | 填写/Description | C15 | 填写/Description | |
| C2 | 填写/Description | C16 | 填写/Description | |
| C3 | 填写/Description | C17 | 填写/Description | |
| C4 | 填写/Description | C18 | 填写/Description | |
| C5 | 填写/Description | C19 | 填写/Description | |
| C6 | 填写/Description | C20 | 填写/Description | |
| C7 | 填写/Description | C21 | 填写/Description | |
| C8 | 填写/Description | C22 | 填写/Description | |
| C9 | 填写/Description | C23 | 填写/Description | |
| C10 | 填写/Description | C24 | 填写/Description | |
| C11 | 填写/Description | C25 | 填写/Description | |
| C12 | 填写/Description | C26 | 填写/Description | |
| C13 | 填写/Description | C27 | 填写/Description | |
| C14 | 填写/Description | C28 | 填写/Description | |
| d）发动机控制系统执行器列表/ List of engine control system actuators | | | | |
| A1 | 填写/Description | A7 | 填写/Description | |
| A2 | 填写/Description | A8 | 填写/Description | |
| A3 | 填写/Description | A9 | 填写/Description | |
| A4 | 填写/Description | A10 | 填写/Description | |
| A5 | 填写/Description | A11 | 填写/Description | |
| A6 | 填写/Description | A12 | 填写/Description | |

I7-1）传感器和执行器位置/ LOCATION OF SENSORS AND ACTUATORS

|  |
| --- |
| 添加图纸  Drawing |