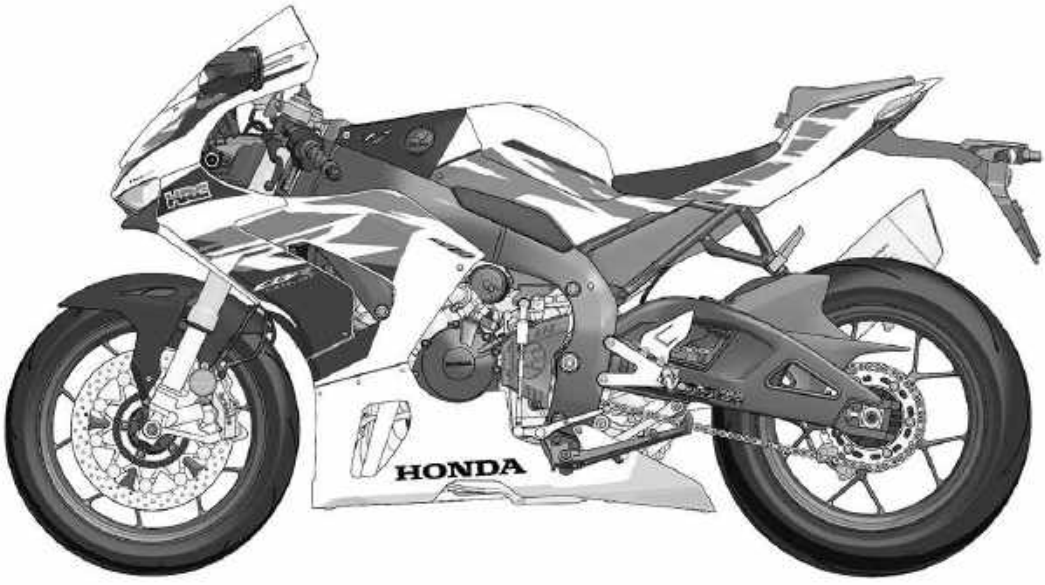
MAGIC FACTORY





# CBR1000RR-R
# FIREBLADE SP

本田CBR1000RR-R"火刃"SP 摩托车

1/9 SCALE

# 本田CBR1000RR-R火刃 SP 摩托车
# Honda CBR1000RR-R Fireblade SP

本田火刃摩托车的发展历史可以追溯到1992年，由马场忠雄领导的团队开发了一款型号为CBR900RR FireBlade的赛车，旨在打造一款轻巧且紧凑的摩托车，用以击败当时赛道上的RVF750。随着该型号的不断发展，发动机、悬挂、电控与其他各种模块零件都在进行升级，并且秉着“全面控制——最大化驾驶乐趣”方向持续“进化”。以下是本田CBR1000RR-R火刃 SP 摩托车2020款的一些性能参数：

**引擎性能**

发动机类型：四冲程，横置四缸，DOHC，每缸4个气门
排量：999.9cc
缸径 x 行程：81 x 48.5 mm
压缩比：13.6:1
冷却系统：水冷
排气系统：钛合金“天蝎”排气
燃油供应：双级燃油喷射（PGM-DSFI）与52mm节气门体
Denso 12孔喷油器
启动方式：电动
最大功率：215 hp / 160kW @ 14000 rpm
最大扭矩：113 Nm / 82.6 lb-ft @ 12000 rpm

**传动与悬挂**

离合器：湿式，多片液压离合器，带辅助滑动器
变速器：6速
传动方式：链条
车架：双翼梁铝合金
前悬挂：Ohlins NPX S-EC3.0 43mm倒立前叉，预载、压缩和回弹可调
后悬挂：Ohlins TTX36 Smart-EC摇臂

**制动系统**

前制动：2 x 330mm碟盘，径向安装的4活塞Brembo卡钳
后制动：单220mm碟盘，2活塞Brembo卡钳
ABS系统：双通道

**车轮与轮胎**

轮圈：铸铝
前轮：3.5 x 17
后轮：6.0 x 17
前轮胎：120/70-ZR17 M/C (58W)
后轮胎：200/55-ZR17 M/C (78W)

**尺寸与重量**

轴距：1450 mm
座高：830 mm
湿重：200 kg / 441 lbs
燃油容量：16.5升 / 4.4 US gal

以上的各种配置与性能，让本田火刃摩托车（Honda CBR1000RR-R Fireblade SP）具备了以下特点：

卓越的性能与操控：
火刃摩托车追求的是“TOTAL CONTROL for the Track”，即在赛道上实现全面控制，追求高性能和比赛中的表现。
发动机采用了来自本田RC213V MotoGP技术的设计理念，使得CBR1000RR-R Fireblade SP成为本田迄今为止最强大的CBR系列发动机。
车架经过优化，增加了扭转刚性，提高了在赛道转弯时的操控性。

先进的电子控制系统：
配备了先进的电子控制技术，包括动力单元（P）、发动机制动（EB）、防车轮离地（W）、牵引力控制（T）和悬挂设置（A）等多种骑行模式。
采用了第三代Ohlins智能电子控制悬挂，这种悬挂系统能够配置适合比赛的悬挂套件，并且有一个基于骑手体重的评算“预设建议”。

空气动力学设计：
采用了全新的空气动力学套件，这也是受到多次冠军RC213V的启发，与六轴IMU协同工作，提供非常精确的偏航、俯仰和翻滚计算，以实现更精细的姿态控制和前所未有的操控性能。
整流罩设计能够产生与之前版本相同的下压力，结果是加速时前轮离地的现象减少，制动和转弯时的稳定性提高。

轻量化与高性能材料：
火刃摩托车在材料和设计上进行了轻量化处理，例如采用了锻造铝活塞、钛合金连杆、以及轻量化的高刚性车架。
标配了与Akrapovic共同开发的排气管，进一步减轻了重量并集中了质量。

强大的动力输出：
发动机在14,500rpm时能够提供最大160kW的功率，在12,500rpm时提供113Nm的峰值扭矩，同时整车重量仅为201kg。

The first FireBlade debuted in 1992, the CBR900RR, designed by Todao Bada, the revolutionary concept was to beat Honda' s own RVF750 on track by being the lightest and most compact bike in its class. With the As the development of the Fireblade, the concept “TOTAL CONTROL for the Track” which make the engine, suspension, electronic control and other module parts are being upgraded. Following are Honda CBR1000RR-R Fireblade SP Specs:

**Engine**

Engine: Four stroke, transverse 4 cylinder, DOHC, 4 valves per cylinder.
Capacity: 999.9cc / 61 cu-in
Bore x Stroke: 81 x 48.5mm
Compression Ratio: Liquid cooled
Exhaust: Titanium Akrapovcic
Induction: Programmed Dual Stage Fuel Injection (PGM-DSFI) with 52mm
throttle bodies, Denso 12-hole injectors.
Ignition: Digital transistorized with electronic advance.
Max Power: 215 hp / 160kW @ 14000 rpm
Max Torque: 113 Nm / 82.6 lb-ft @ 12500 rpm

**Brake system**

Front Brakes: 2x 330mm discs with radially mounted 4-piston Brembo callpers
Rear Brakes: Single 220mm disc with 2-piston Brembo caliper
ABS System: 2 Channel

**Wheels and Rims**

Wheels: Cast aluminum
Front Rim: 3.5MTx 17
Rear Rim: 6.0MTx 17
Front Tyre: 120/70-ZR17 MIC (58W)
Rear Tyre: 200/55-ZR17 MIC (78W)

**Dimensions and Capacity**

Wheelbase: 1450mm/57.5 in
Seat Height: 830 mm / 32.6 in
Wet Weight: 201 kg/ 443 lbs
Fuel Capacity: 16.5 Litres / 4. 3 Lis gal

**Transmission and suspension**

Clutch: Wet, multiplate hydraulic clutch with assist slipper
Transmission: 6 speed
Final Drive: Chain
Frame: Twin-spar aluminum
Front Suspension: Ohlins NPX S-EC3.0 43mm telescopic fork with preload, compression and rebound adjustments
Rear Suspension: Pro-Link system, single Ohlins shock w/ Electronic Control (S-EC)

The specs above which provided HONDA CBR1000RR-R Fireblade SP the following features:

Excellent performance and control:
The CBR1000RR-R FIREBLADE SP was developed with the concept, “TOTAL CONTROL for the Track”, pursuing high performance on the track and in races.
Its engine was designed with technologies from the RC213V MotoGP machine which continues to win world titles, resulting in the most powerful engine for a CBR yet.
The frame has enhanced stability under acceleration and braking, and with the help of advanced electronic control system supporting sport riding.

Advance electronically control:
Three default riding modes feature options to change the engines output and character. Power (P), Engine Brake (EB), Wheelie control (W) and Honda Selectable Torque Control (HSTC) can all be adjusted within the modes. The Fireblade SP is also equipped with Start Mode for race starts
The Ohlins SmartEC3, the third generation of Ohlins which are also capable of adjusting to rider weight input to provide suggested pre-load and optimizing damping levels.

Aerodynamic performance:
The aerodynamics of HONDA CBR1000RR-R Fireblade SP drawn from the RC213V MotoGP bike and the Fireblade SP has an aggressive new fairing design. The Bosch six-axis Inertial Measurement Unit (IMU) replaces the five-axis unit of the previous design; this allows more accurate calculation of pitch and roll for even more precise control of bike behaviour.
The HONDA CBR1000RR-R Fireblade SP employs winglet structures that effectively generate the same downforce as the 2018 RC213V MotoGP machine. The results are a reduction in wheelies under acceleration and increased stability on braking and corner entry.

Lightweight and High-performance materials:
The HONDA Fireblade has been lightweight in terms of materials and design, it features titanium connecting rods and forged aluminium pistons, and a new aluminium frame.
Akrapovic partnered in development of the exhaust muffler. Coestructed from titanium, its small physical size and light weight contribute to mass centralisation and right-side lean angle.

Powerful output:
The HONDA CBR1000RR-R Fireblade SP delivers maximum power of 160kW at 14,500rpm and peak torque of 113Nm at 12,500rpm while tipping the scales at just 201kg.

## 制作前请仔细阅读以下内容
## Read carefully before assembly

注意

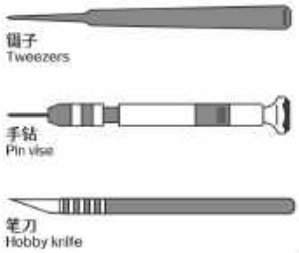
- 本模型适合的最小年龄为14周岁，14 周岁以下制作时应当有家长陪同。
- 请勿吞食产品包装中的物品，包括且不限于零件、说明书、包装袋等。
- 将零件取出后应立即丢弃包装袋，请勿将包装袋置于口鼻处或套在头上，以免引起窒息。
- 请勿将本产品置于明火或者高温源附近。

Caution

- This model kit is for user aged 14 or above. User under 14 should be accompanied by parents when building this kit.
- Don' t swallow any items in the package, including but not limited to parts, stickers, manual and vinyl bags.
- Please throw the vinyl bags away once you unpacked parts. Don' t put the bags onto mouth, nose or over the head to avoid suffocation.
- Keep this product away from fire or high temperature source.

## 使用工具
## Tools recommended

剪钳
Side cutters



镊子
Tweezers

手钻
Pin vise

笔刀
Hobby knife

## 图标说明
## Icon

优先制作
Assemble first

对称制作
Both sides

选择其一
Choose one

使用贴纸
Apply decal

使用瞬干胶
Apply CA cement

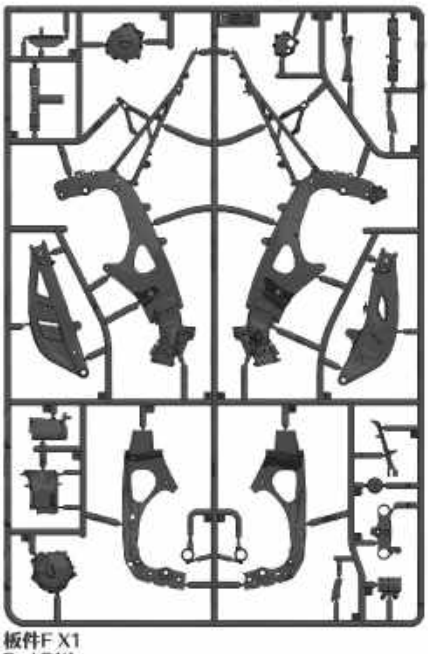
钻孔
Drill hole

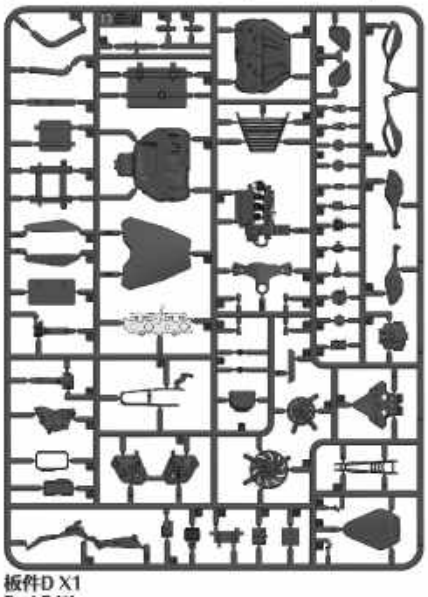
切除
Cut

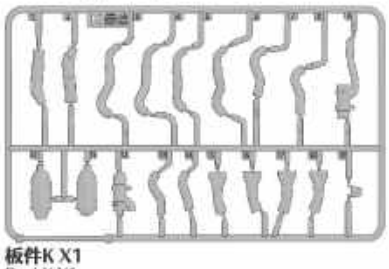
注意
Caution

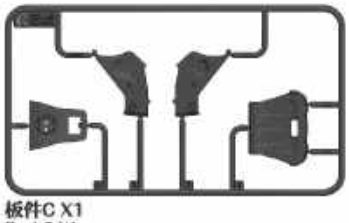
需要上色
Paint

注意隐藏水口
Note the sprue tab gates

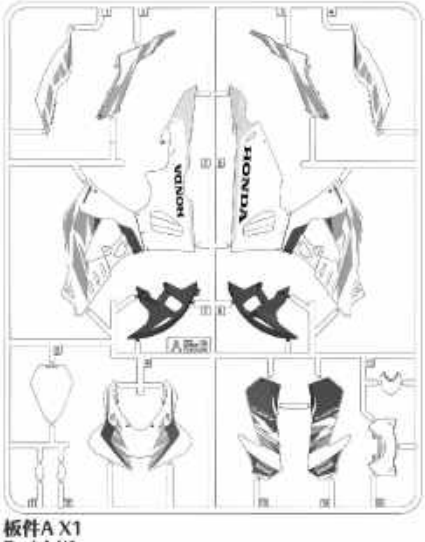

板件F X1
Part F X1


板件D X1
Part D X1

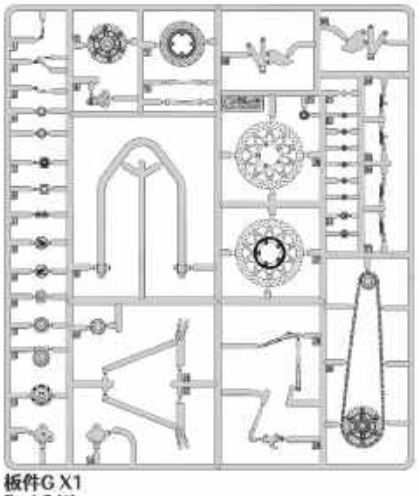

板件K X1
Part K X1

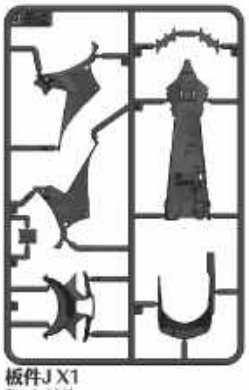

板件C X1
Part C X1


板件R X1
Part R X1



板件A X1
Part A X1

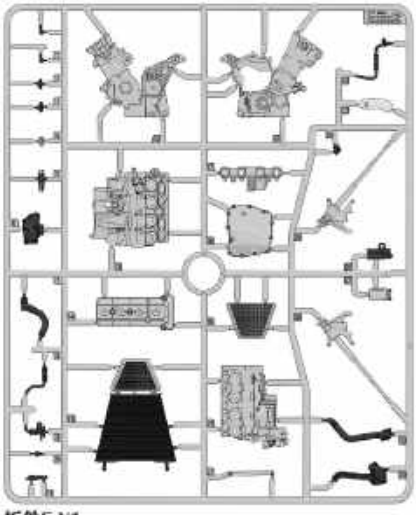

板件G X1
Part G X1

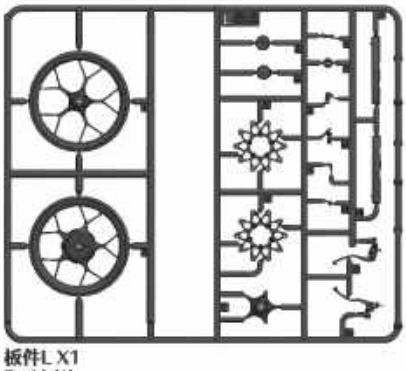

板件J X1
Part J X1

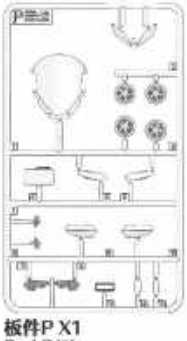

板件Z X1
Part Z X1

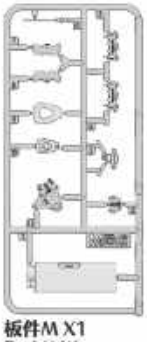

板件Q X1
Part Q X1


镜面贴 X1
Mirror Sticker X1

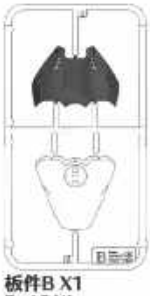

板件E X1
Part E X1

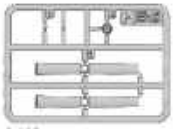

板件L X1
Part L X1


板件P X1
Part P X1


板件M X1
Part M X1

软管(长度:50cm) X1
Vinyl Tubing(Length:50cm) X1


板件B X1
Part B X1


板件H X1
Part H X1


磁性垫片 X1
Magnetic Tools Pad X1


水晶贴 X1
Epoxy Resin Sticker X1

螺丝C X2
Screws C X2

螺丝F X1
Screws F X1

水贴 X1
Decal X1


弹簧B X1
Springs B X1


弹簧A X2
Springs A X2


螺丝B X1
Screws B X1


螺丝A X2
Screws A X2

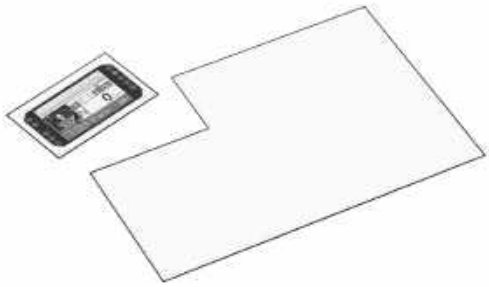

螺丝D X12 螺丝E X5 螺丝G X1 螺丝刀 X1
Screws D X12 Screws E X5 Screws G X1 Screwdriver X1


轮胎B X1
Tire B X1


轮胎A X1
Tire A X1

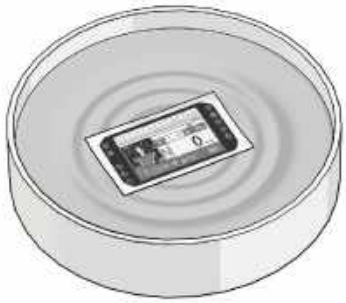
## 如何使用水贴纸
## How to apply waterslide decals

**1**



*裁剪下模型需要的水贴
*Cut your decal with your hobby knife

**2**



*用水浸泡1-2分钟后便可以揭下
*Soak the decal in a water for 1-2 minutes

**3**

*调整水贴在模型上的位置，用棉签将水贴压出水贴，按压出多余水分
*Adjust the decal onto the model, and get excess water out

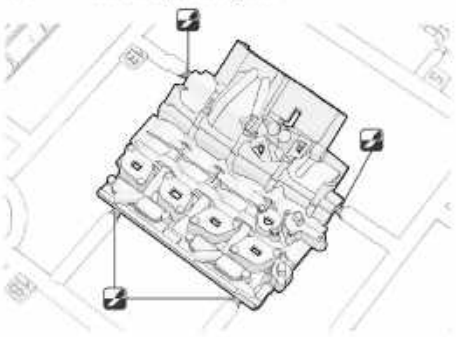
**4**

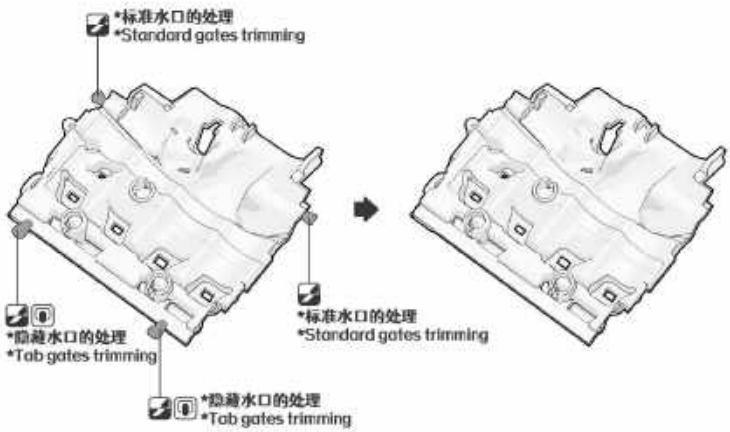
*水贴牢固地附在表面即为完成
*The decal is firmly attached to the surface now.

## 不同水口的处理
## 2 Types of Sprue GatesTrimming

切除
Cut

注意隐藏水口
Note the sprue tab gates



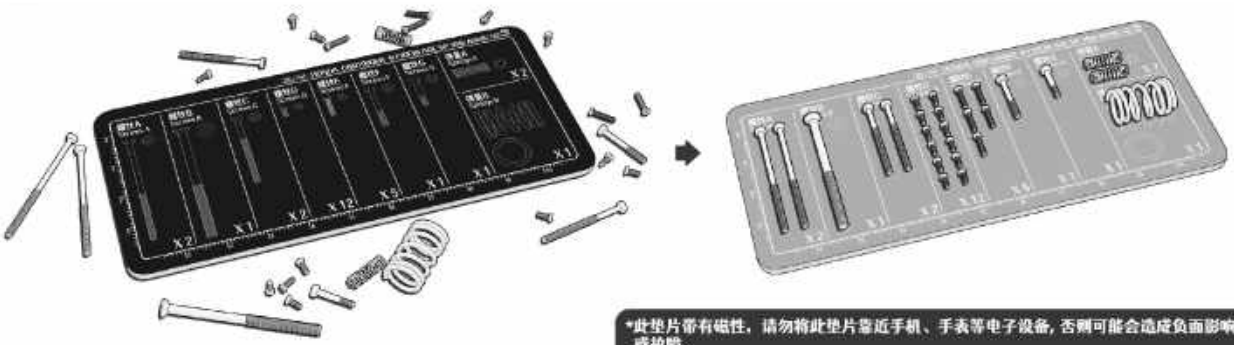



**1** *使用剪钳沿着水口从流道上剪下零件
*Cut the plastic part from the runner with hobby plier

**2** *紧贴零件边缘修剪多余的水口
*Trimming the tab gates carefully

**3** *修剪工整后即可正常安装
*The parts are able to fit nicely after trimming the gates.

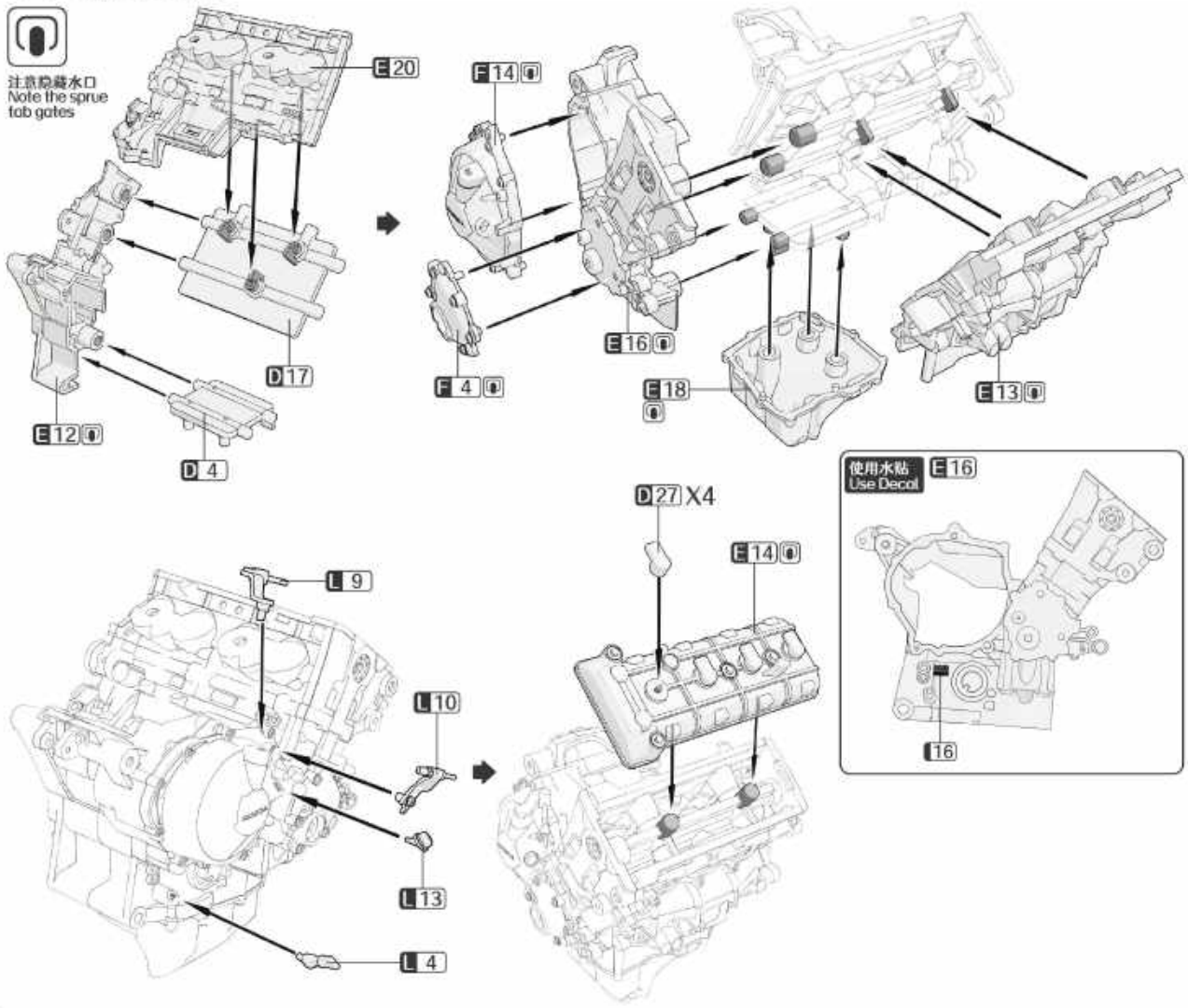
## 磁性金属部件整理垫片
## Magnetic Tools Pad



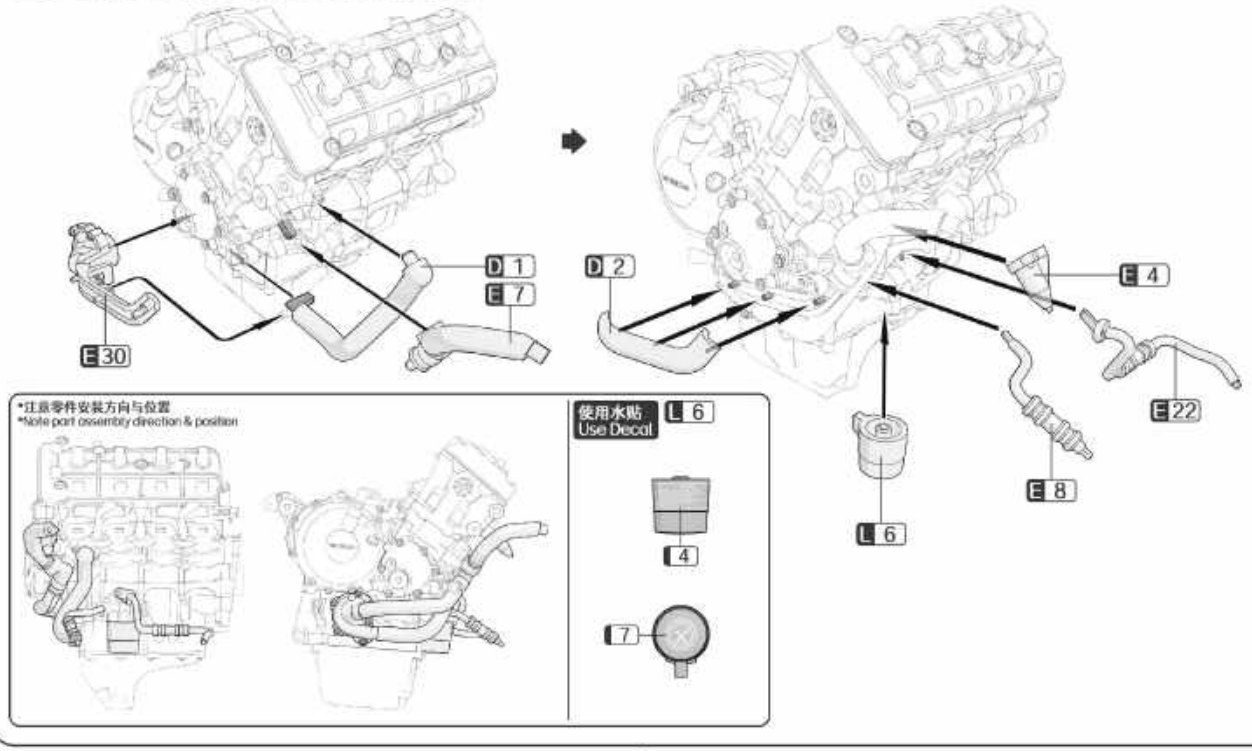
*套件中的金属零件（如：螺丝、弹簧）可以通过带有1/1图例的磁性垫片对应整理
*All the metal parts from this kit are able to be sorted by using magnetic tools pad with 1/1 illustrations

*此垫片带有磁性，请勿将此垫片靠近手机、手表等电子设备，否则可能会造成负面影响或故障。
*This tools pad is magnetic, please do not place this tools pad close to your phone, watch or other electronic equipment which may cause negative effects or malfunctions.

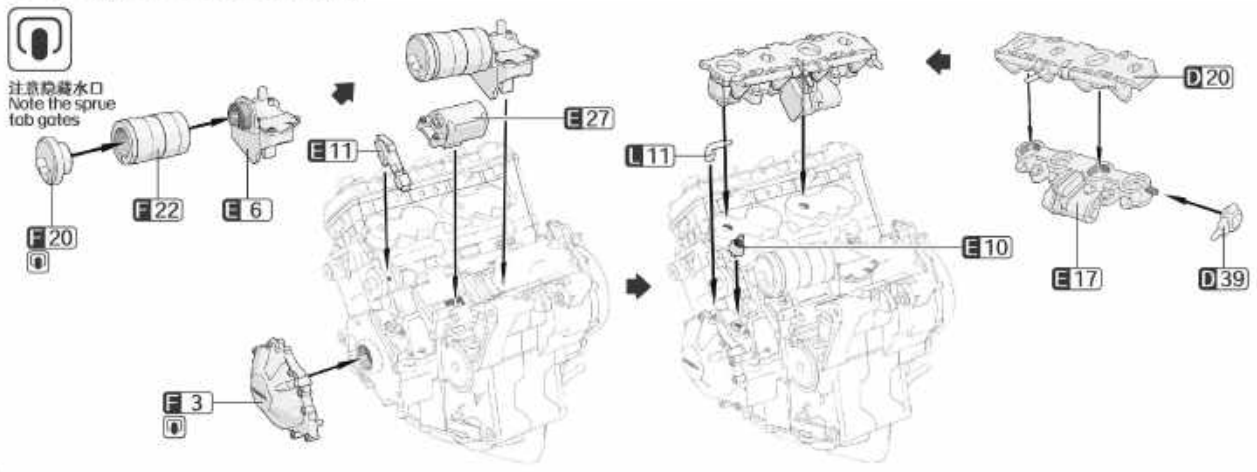
## 1. 引擎组装 Engine Assembly



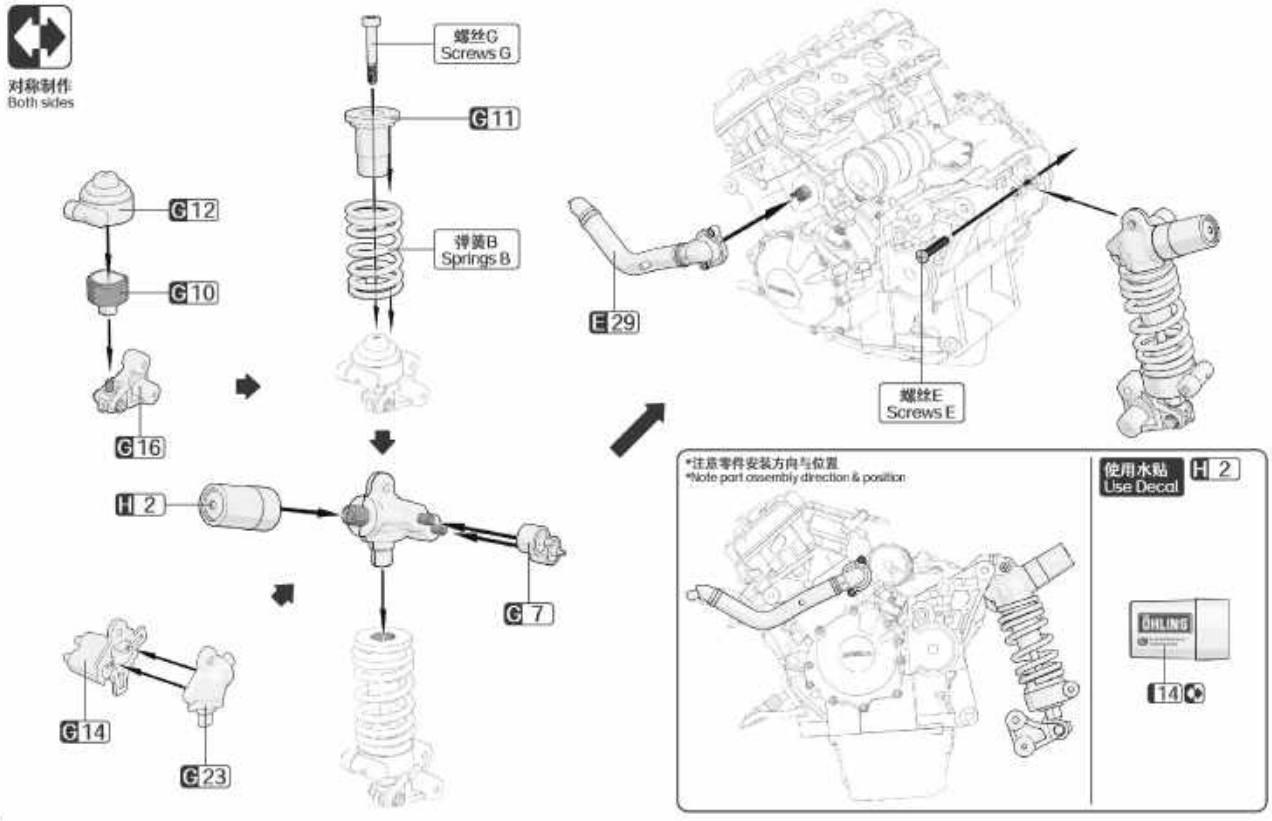

## 2. 引擎管线及附件组装 Engine tubes and accessories Assembly



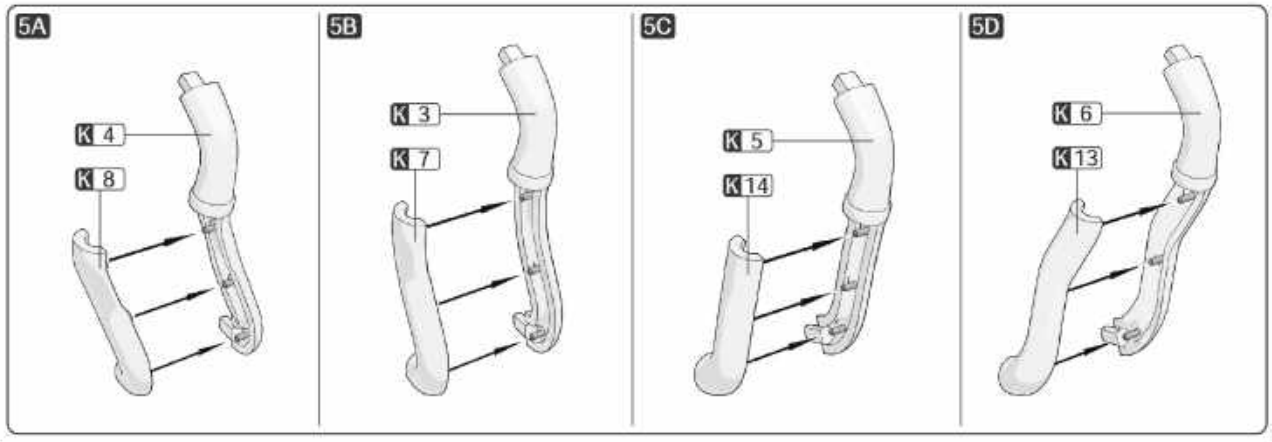
## 3. 引擎附件组装 Engine accessories Assembly




## 4. 避震器组装 Suspension Assembly

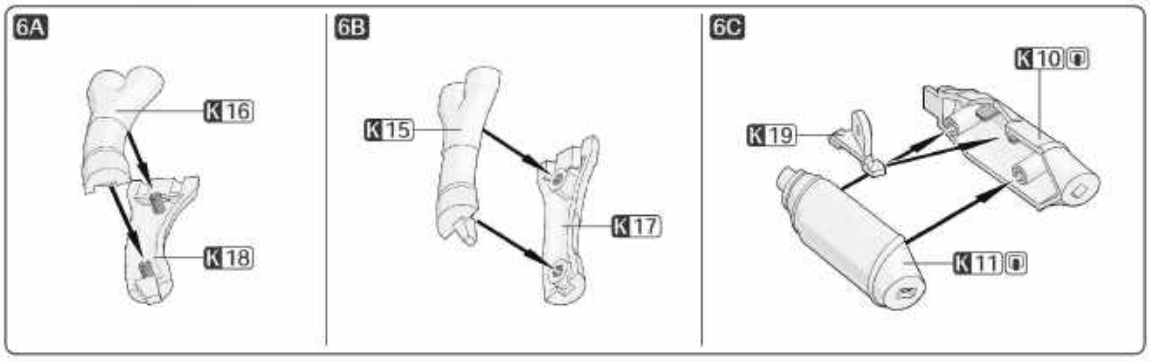



## 5. 排气歧管组装 Exhaust manifold Assembly

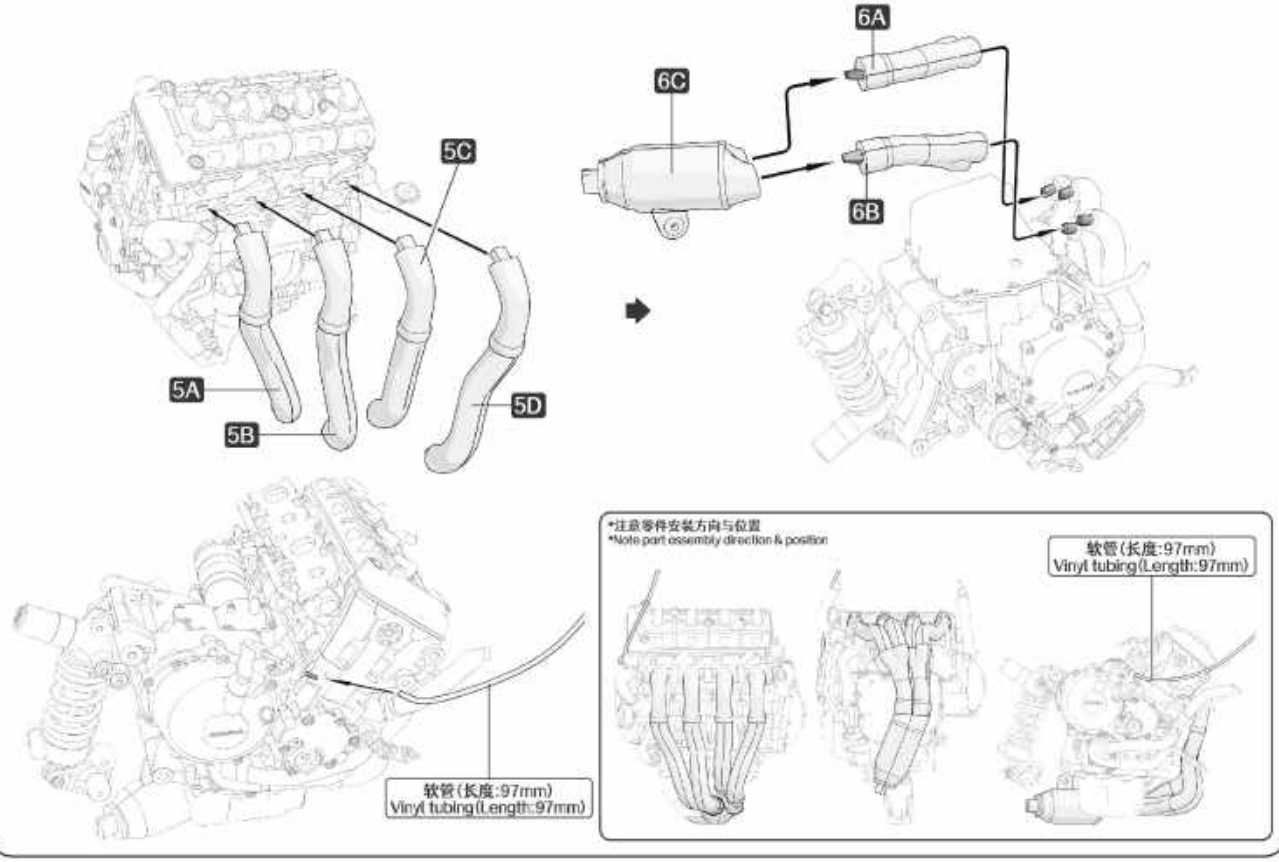


## 6. 排气组装 Exhaust pipes Assembly

注意隐藏水口
Note the sprue tab gates

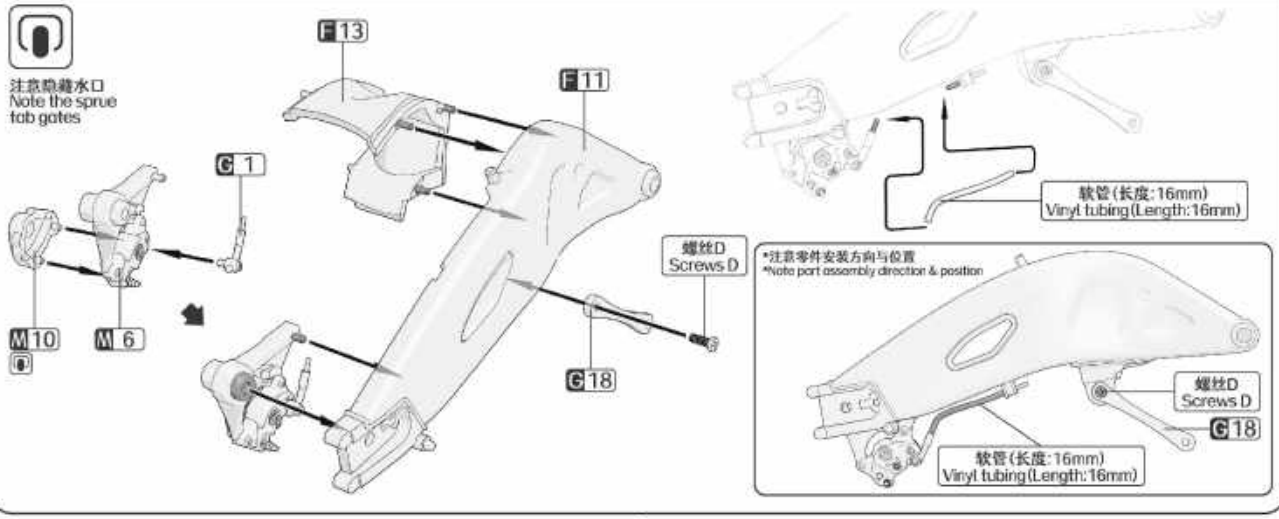



## 7. 排气与引擎组装 Exhaust parts and Engine Assembly

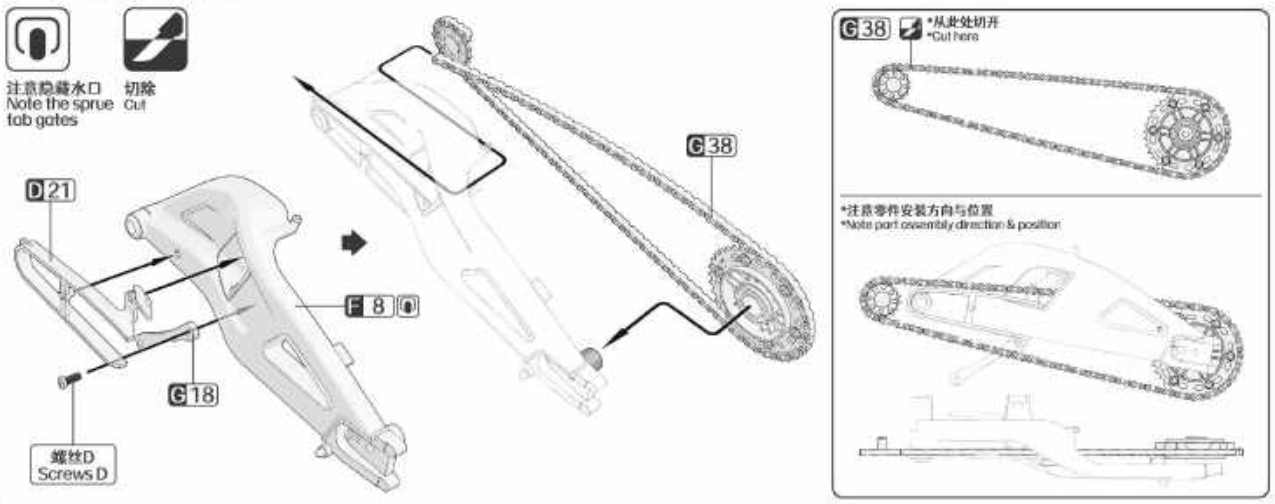



## 8. 后悬架组装 Rear suspension Assembly

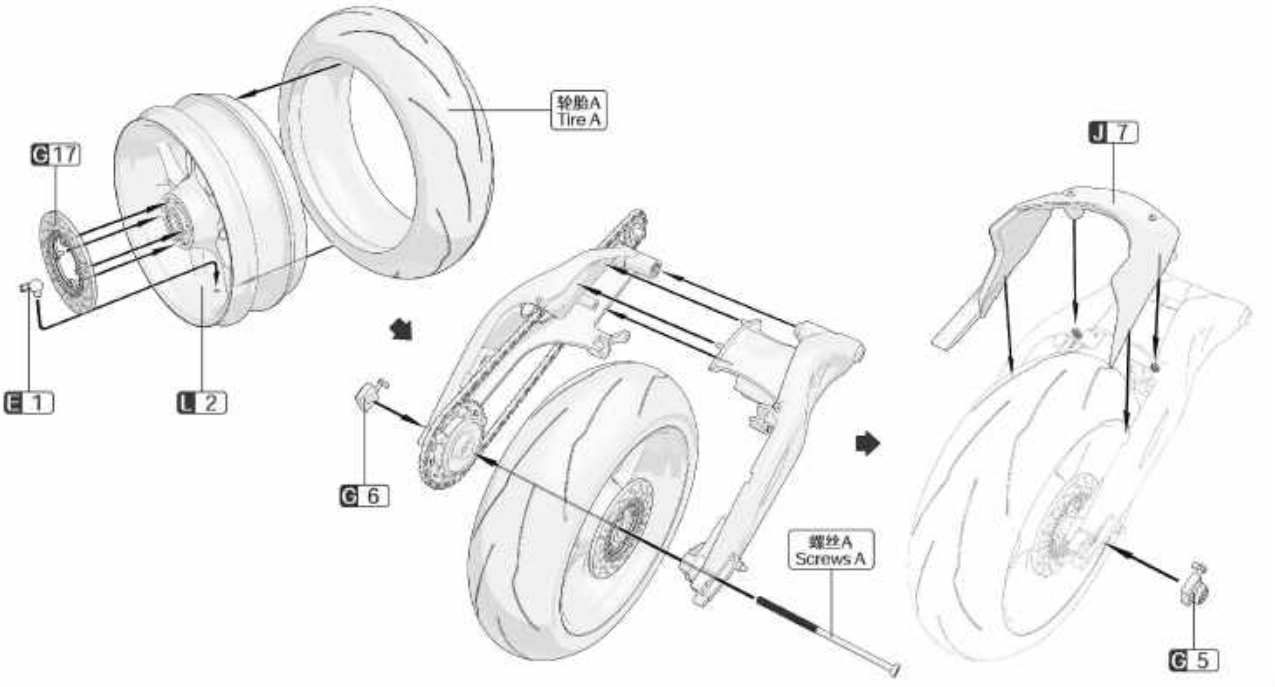
注意隐藏水口
Note the sprue tab gates



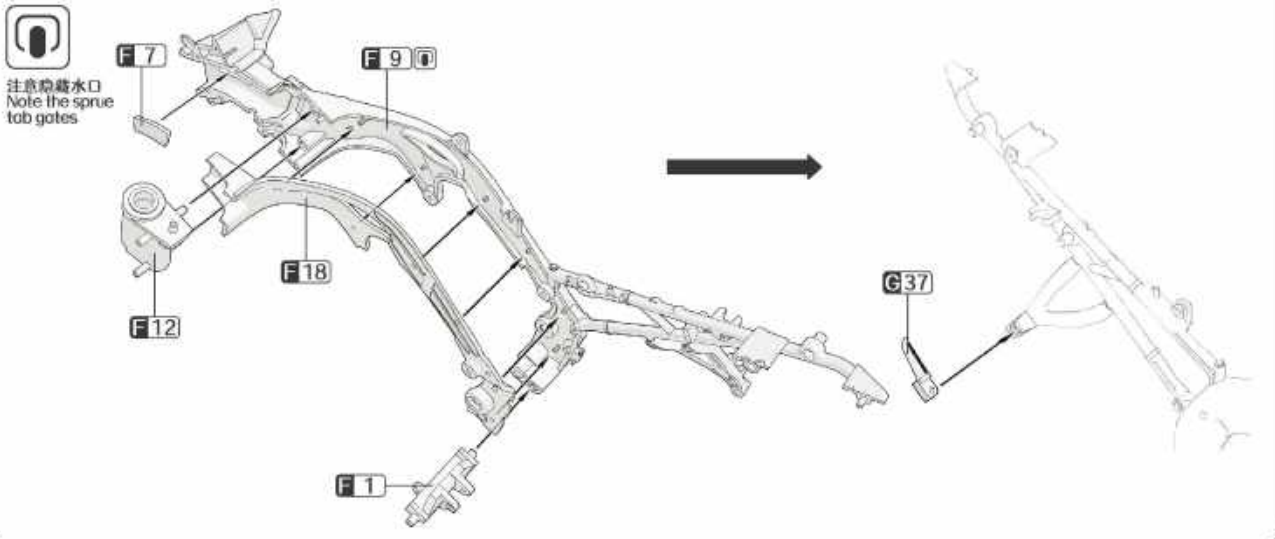
## 9. 链条组装 Chain Assembly



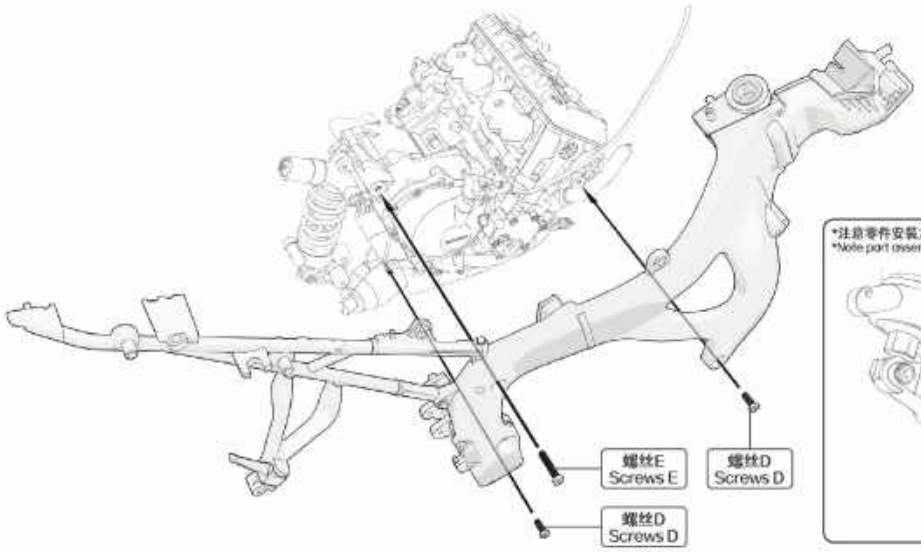

## 10. 后轮与悬架组装 Real Wheel and Suspension Assembly

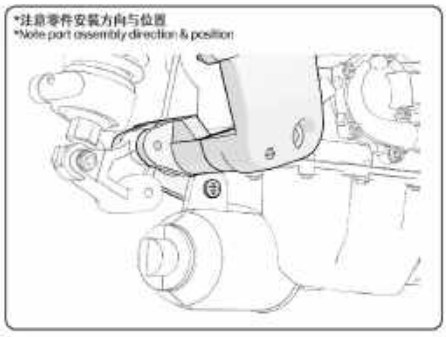



## 11. 车架(右)组装 Frame(Right) Assembly

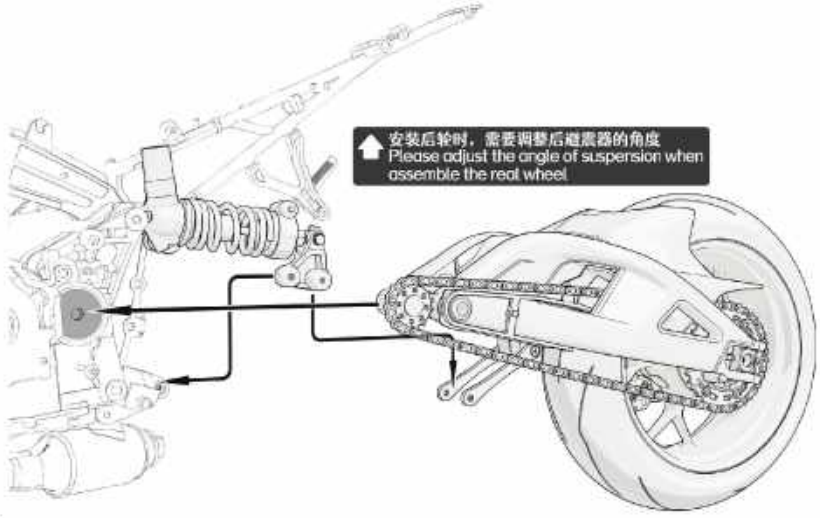


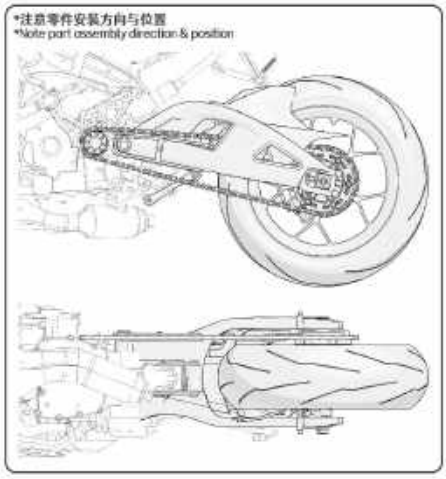
## 12. 车架(右)与引擎组装
## Frame(Right) and Engine Assembly



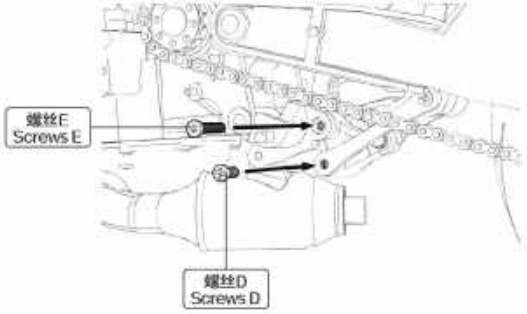



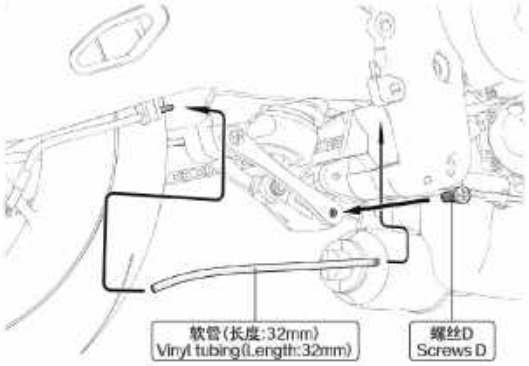

## 13. 后悬架与避震器组装
## Real Suspension and Damper Assembly

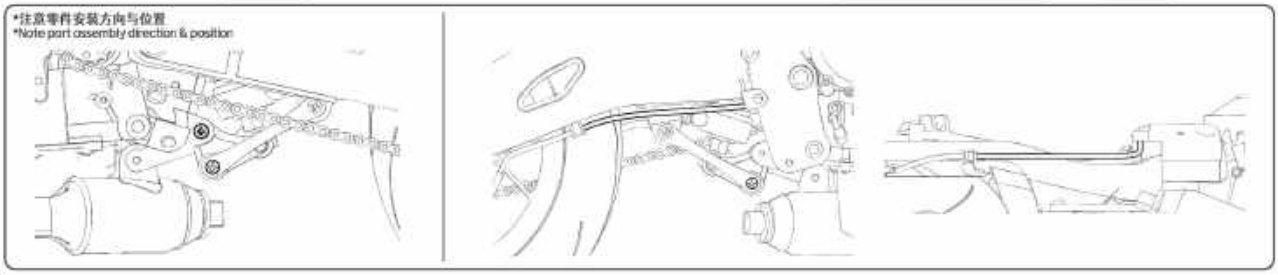



## 14. 悬架附件组装
## Suspension Accessories Assembly

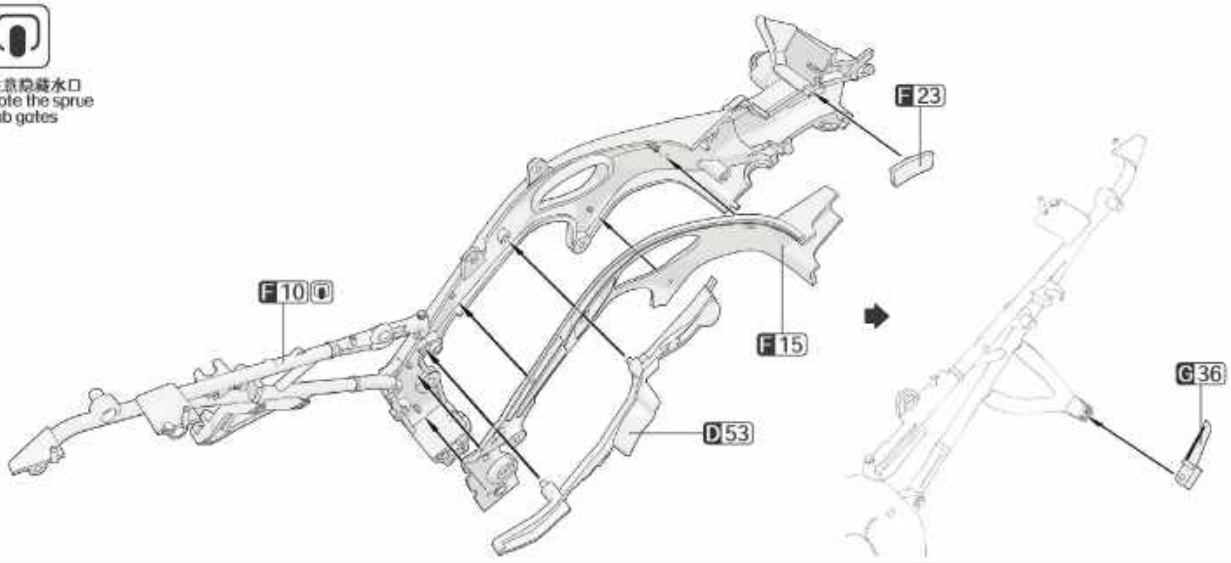


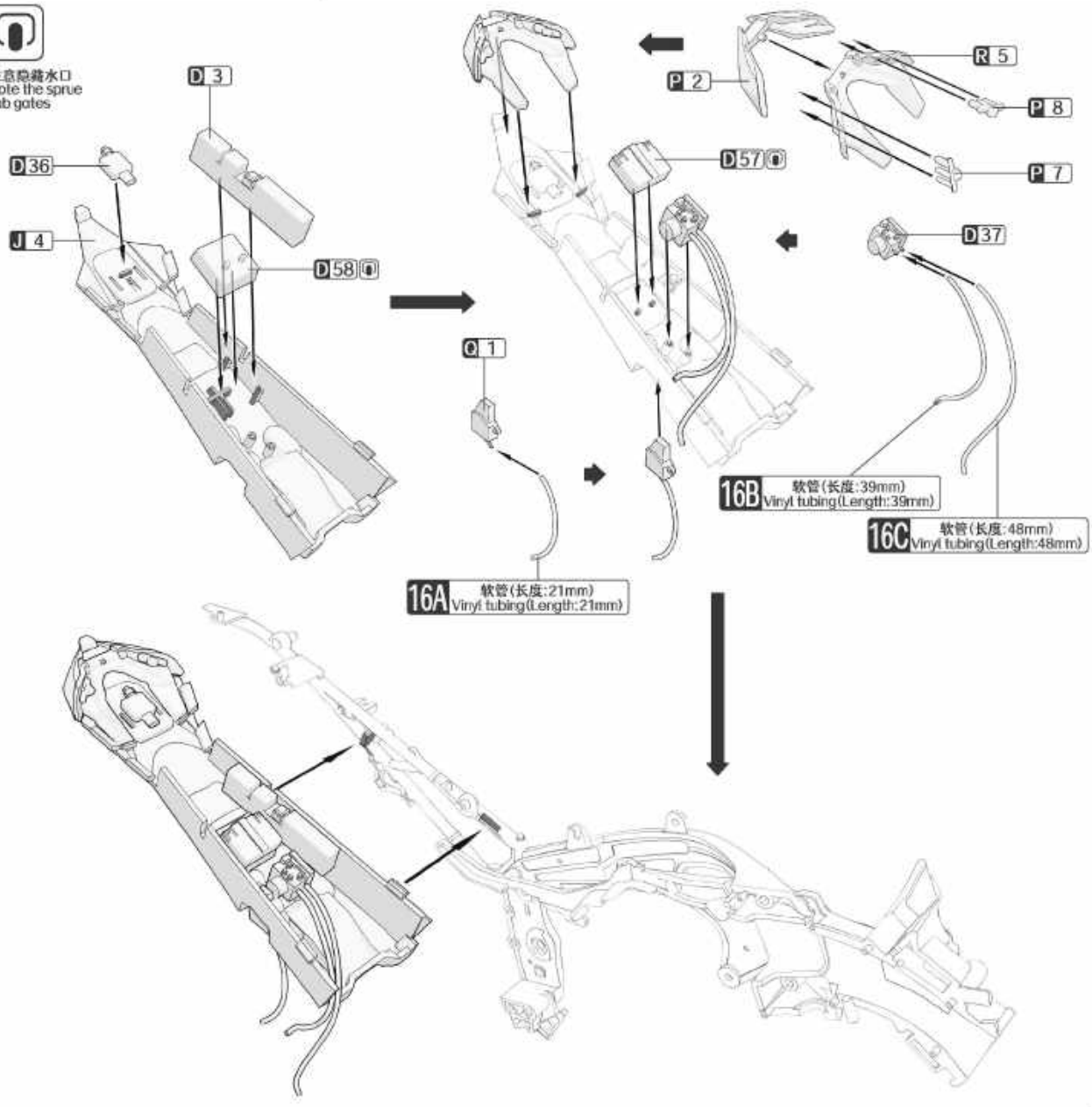
## 15. 车架（左）组装
## Frame(Left) Assembly

注意隐藏水口
Note the sprue tab gates

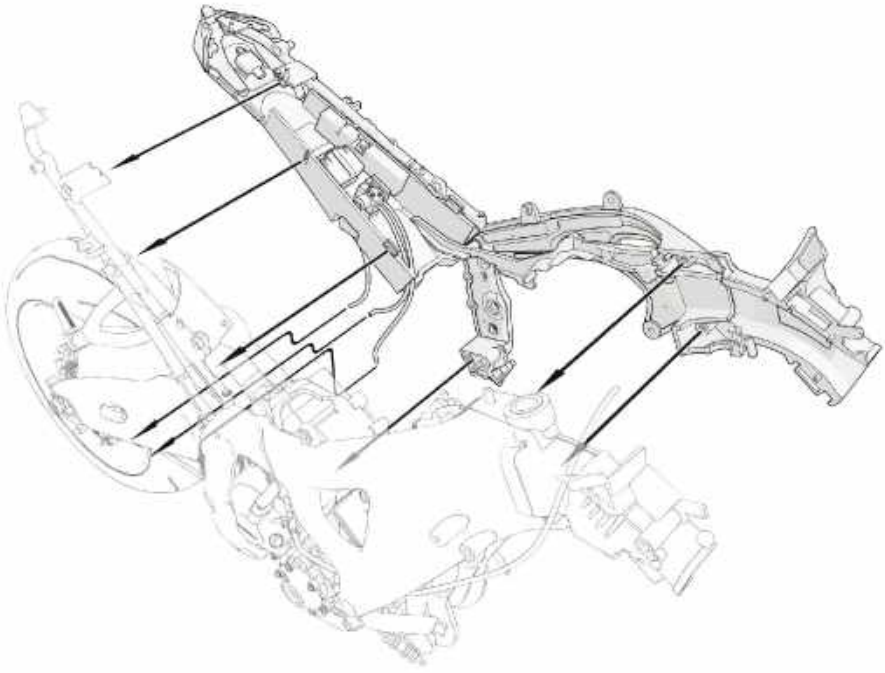


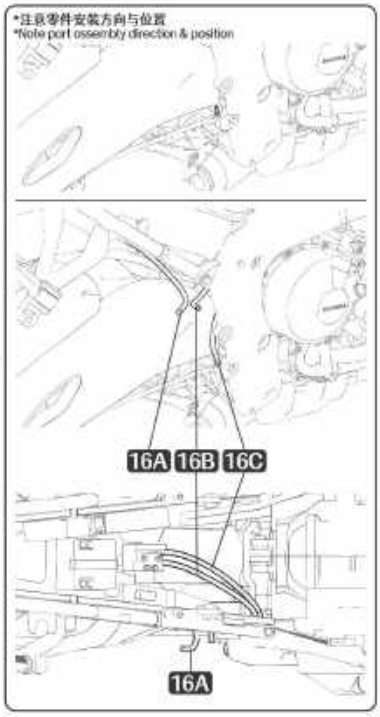

## 16. 车架附件组装
## Frame Accessories Assembly

注意隐藏水口
Note the sprue tab gates

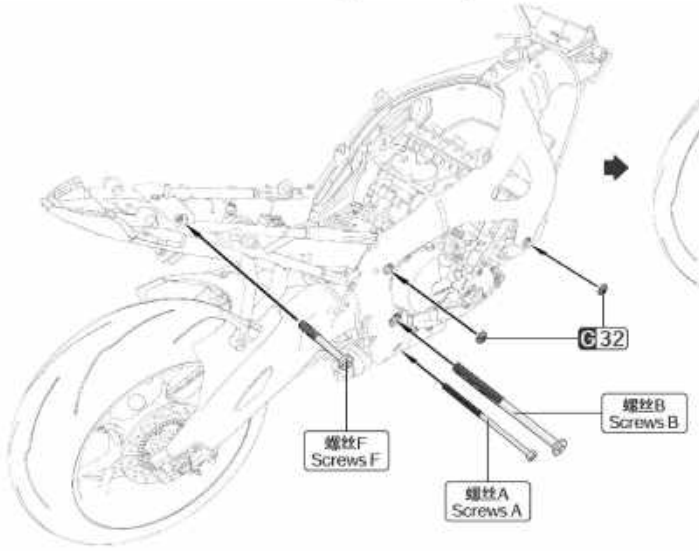


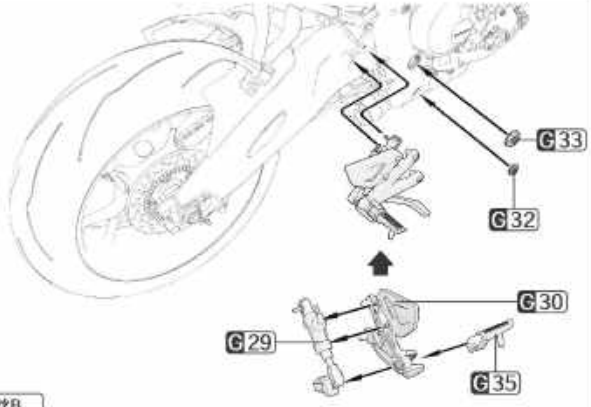
## 17. 车架（左）与车架（右）组装
Frame Assembly

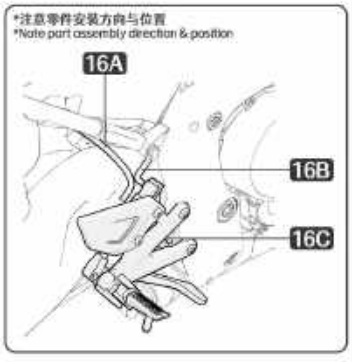


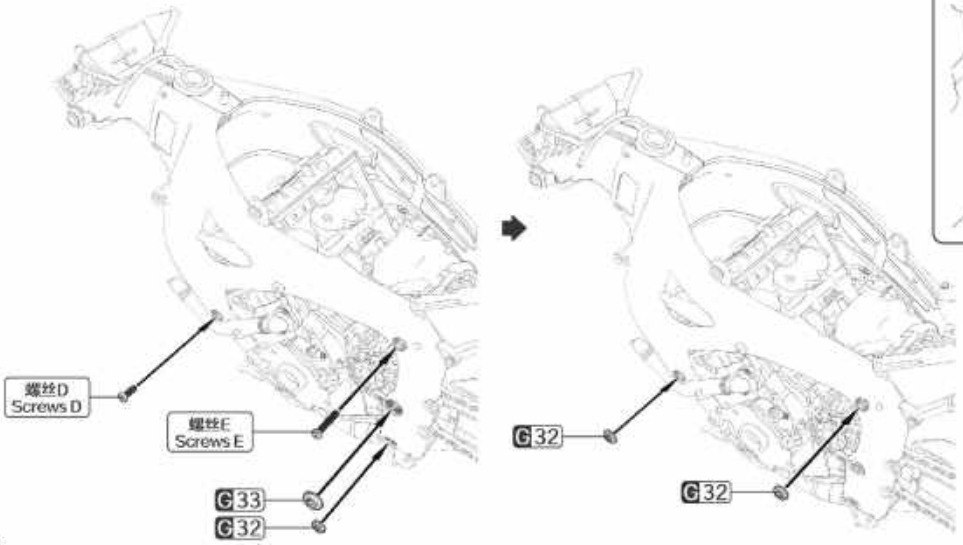



## 18. 车架附件与尾灯组装
Frame Accessories and Taillight Assembly

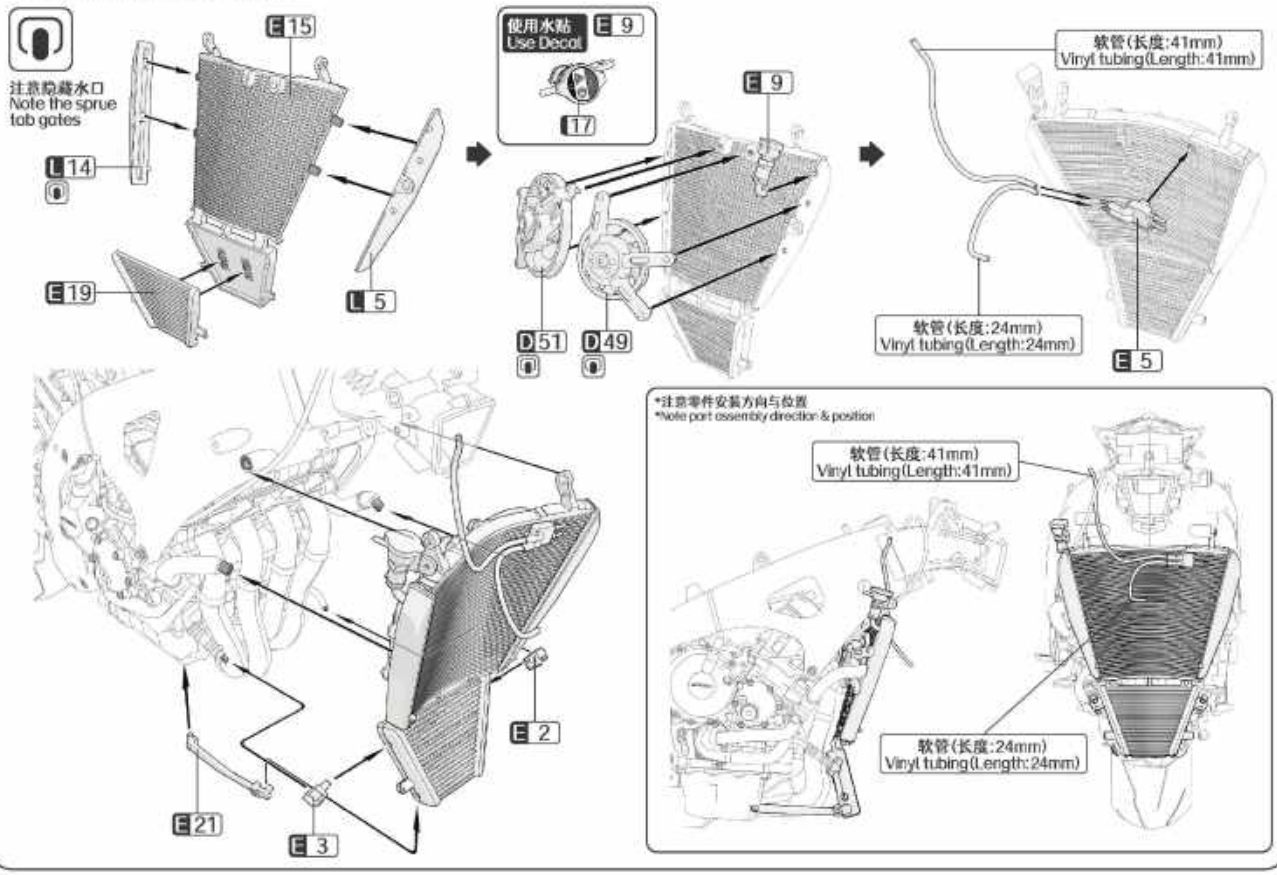


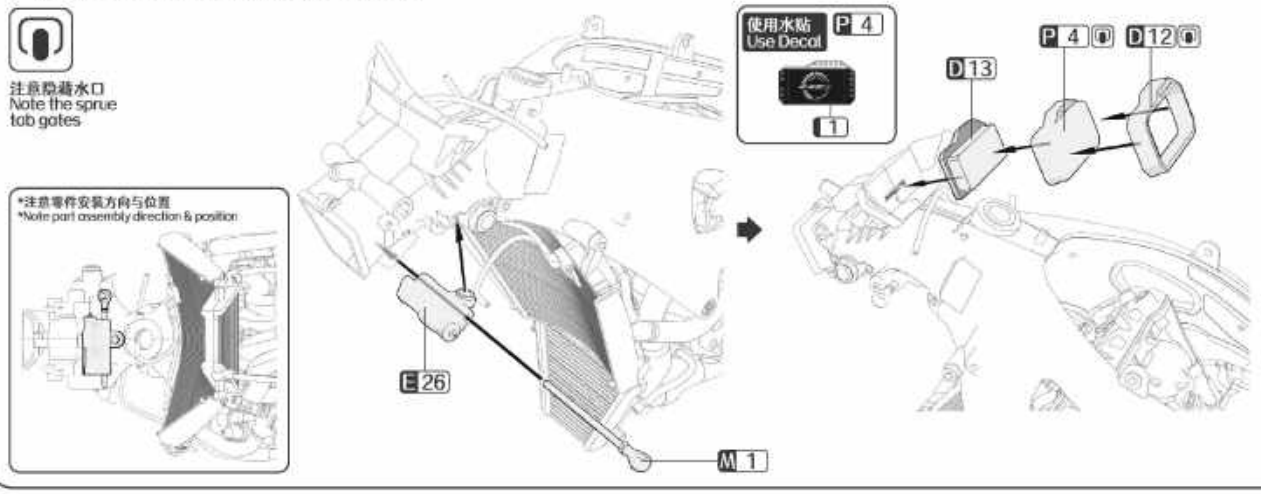



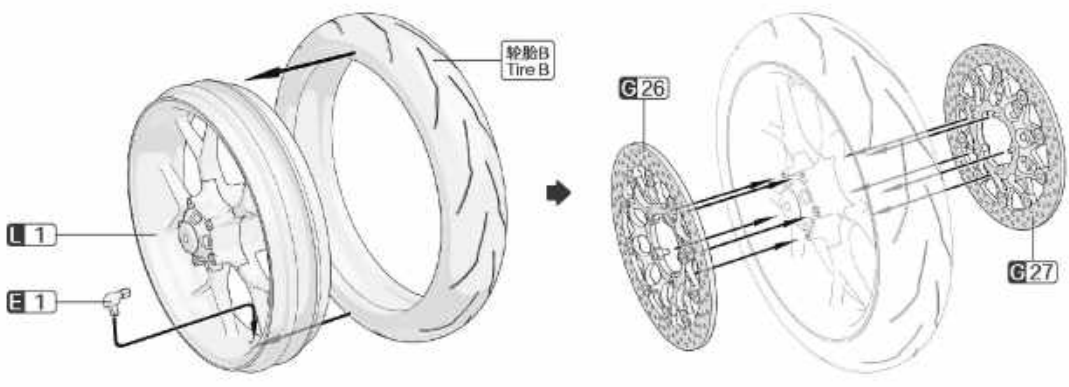
## 19. 散热器组装 Radiator Assembly




## 20. 仪表盘、转向附件组装 Monitor, Steering Bar Assembly



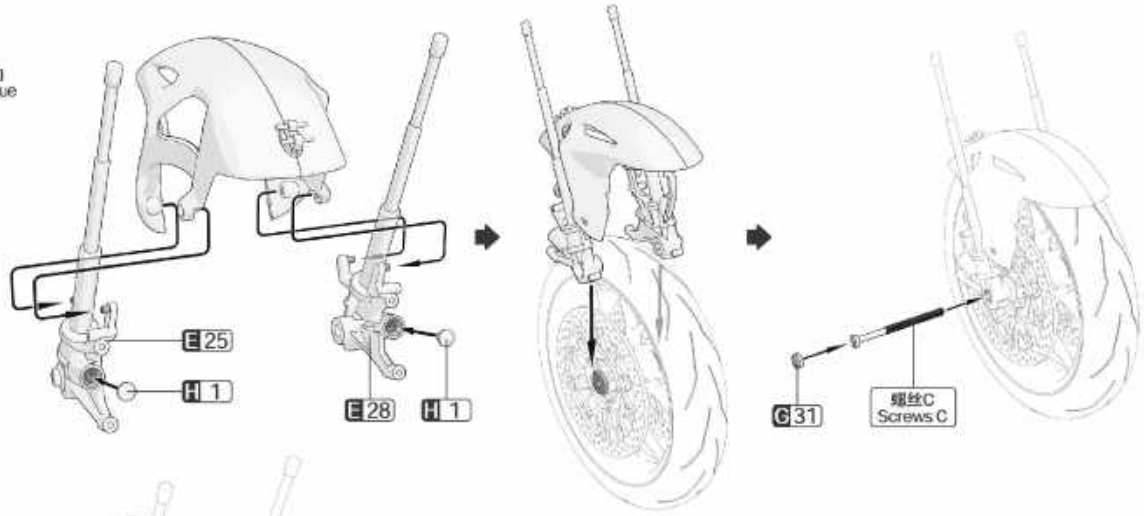

## 21. 前轮组装 Front Wheel Assembly

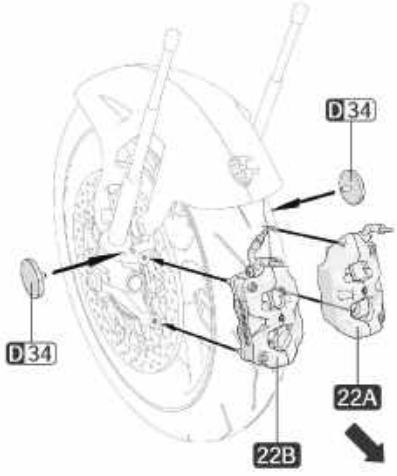


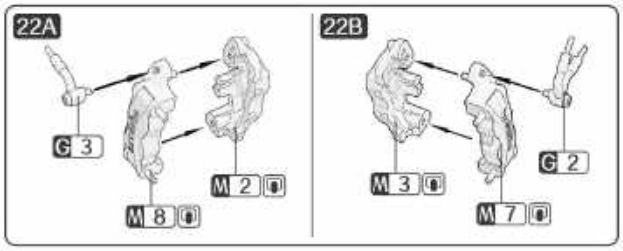
## 22. 挡泥板及前叉附件组装
## Fender and Front Forks Assembly

注意隐藏水口
Note the sprue tab gates

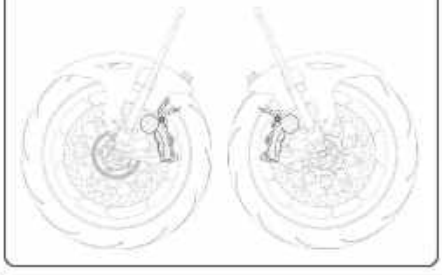
选择其一
Choose one

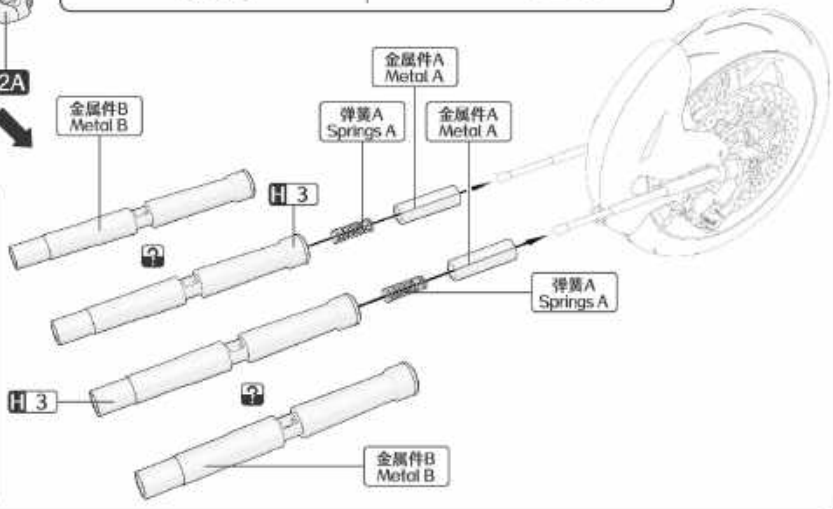


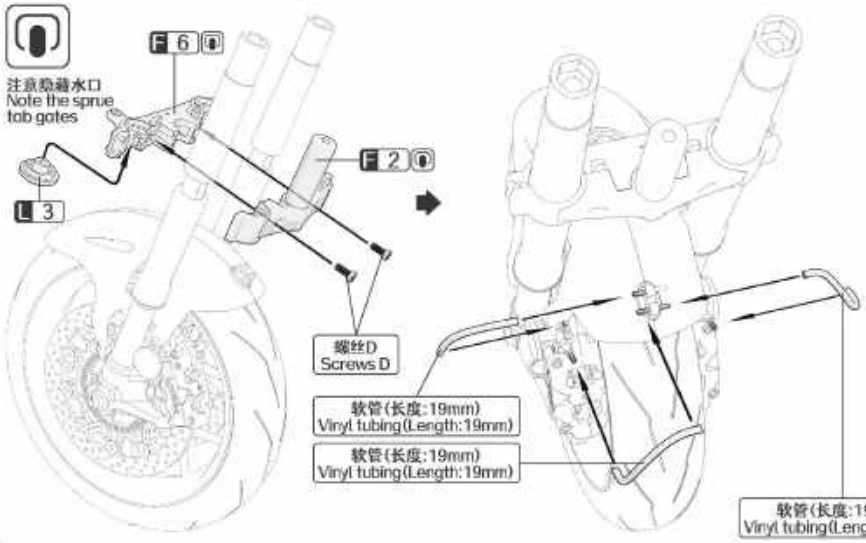

*注意零件安装方向与位置
*Note part assembly direction & position






## 23. 前叉组装
## Front Forks Assembly

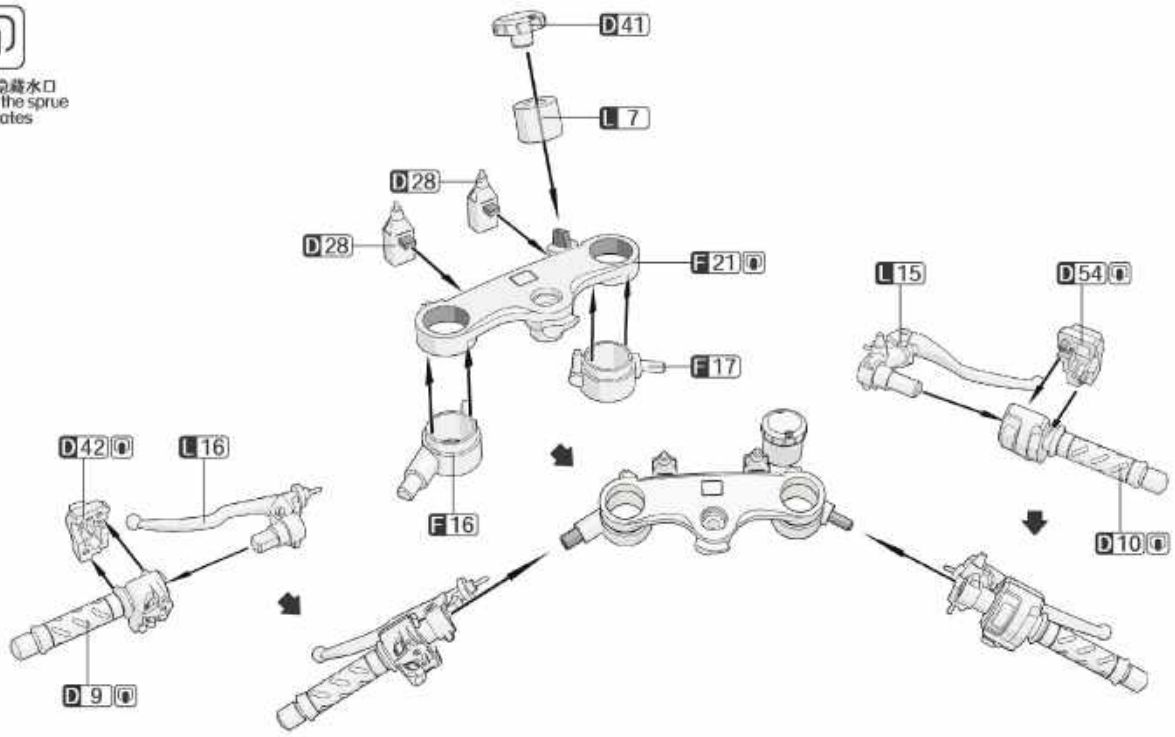
注意隐藏水口
Note the sprue tab gates



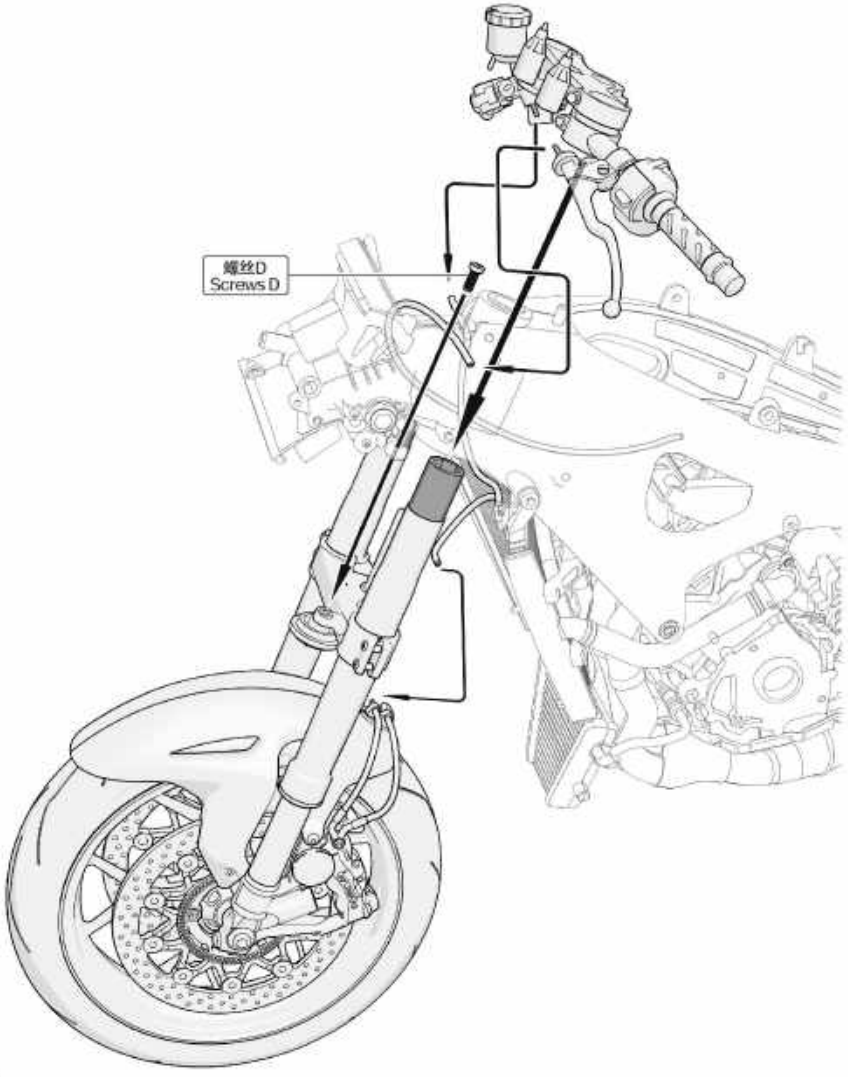

*注意零件安装方向与位置
*Note part assembly direction & position

## 24. 转向组装
## Steering Control Bar Assembly

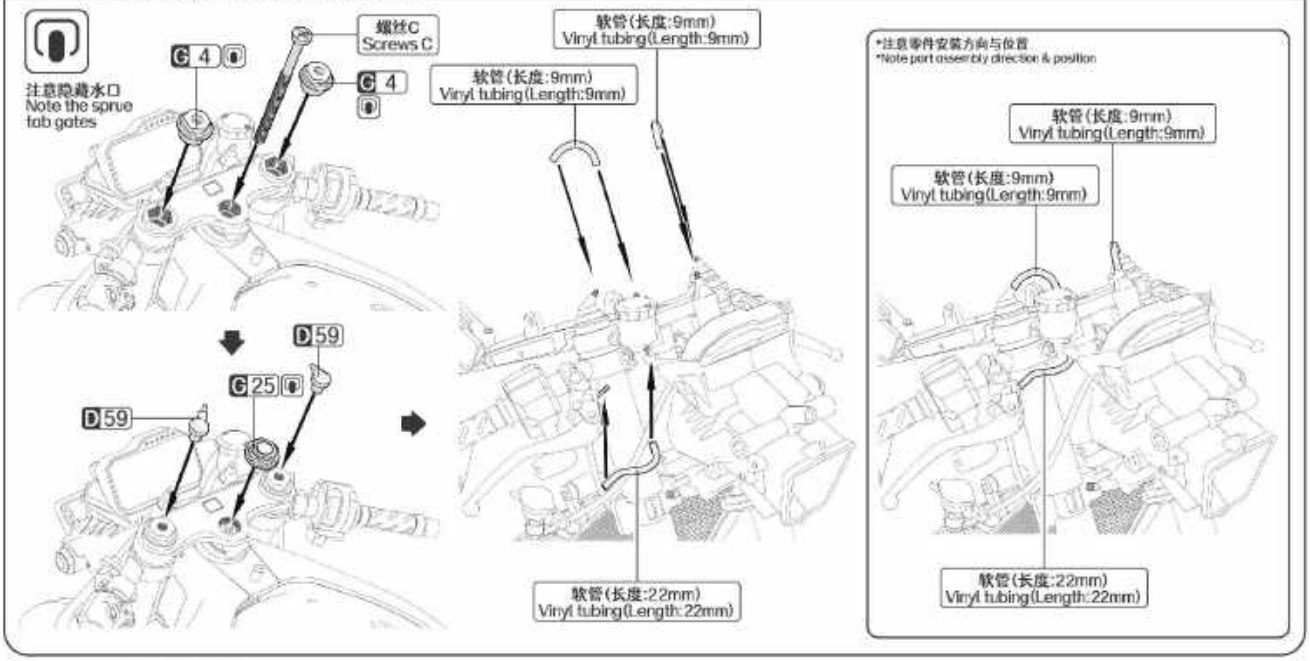
注意隐藏水口
Note the sprue tab gates



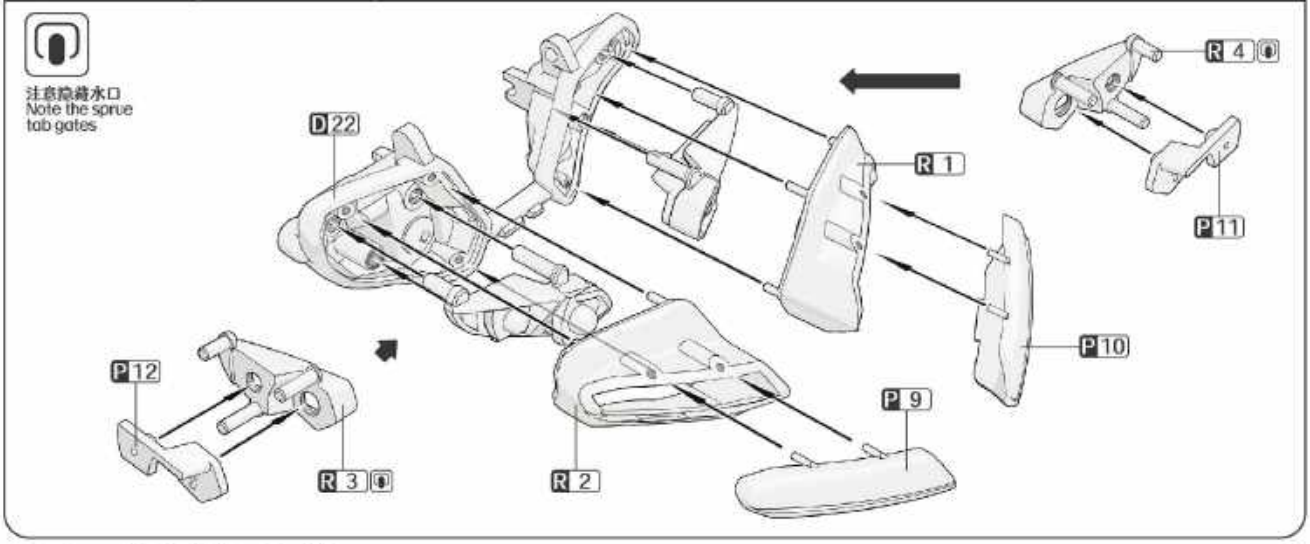

## 25. 转向与前叉组装
## Steering Control Bar and Front Fork Assembly



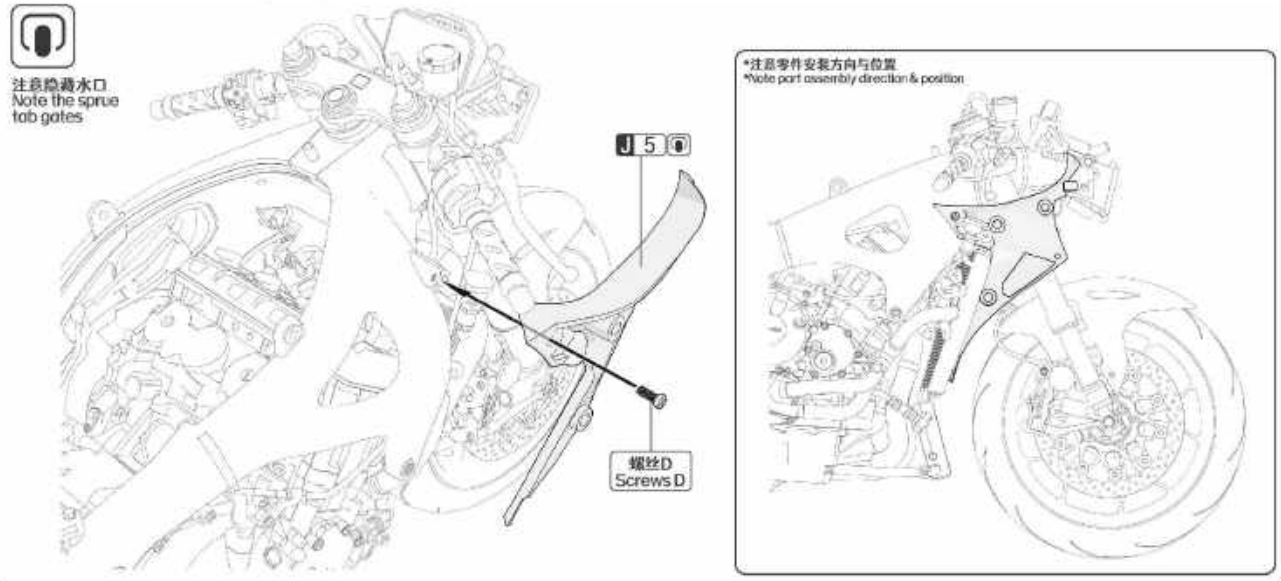

## 26. 转向附件组装 Steering Acessories Assembly




## 27. 前灯总成组装 Front Light Parts Assembly

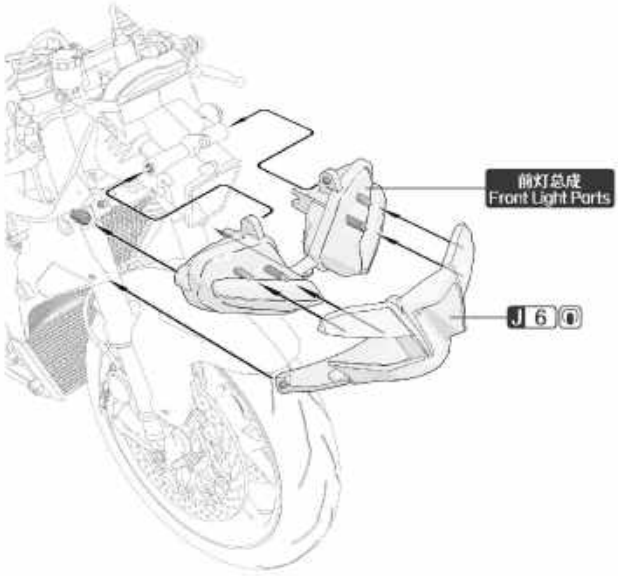


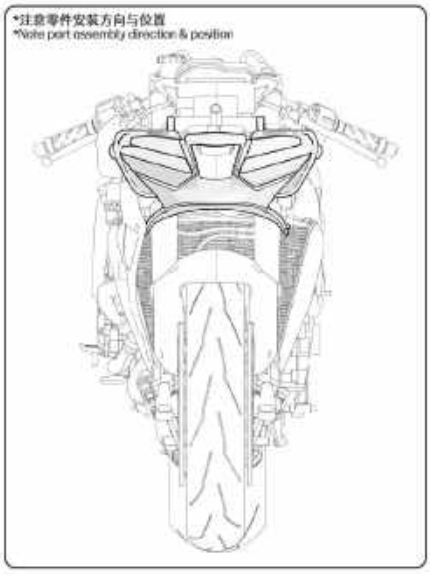

## 28. 前灯组支撑（右）组装 Inner Side Fairings(Right) Assembly



## 29. 前灯组装 Front Light Assembly

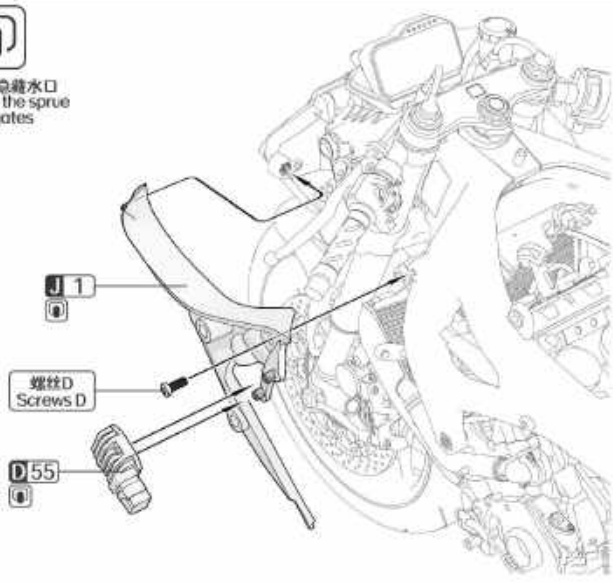
注意隐藏水口
Note the sprue tab gates




## 30. 前灯组支撑（左）组装 Inner Side Fairings (Left) Assembly

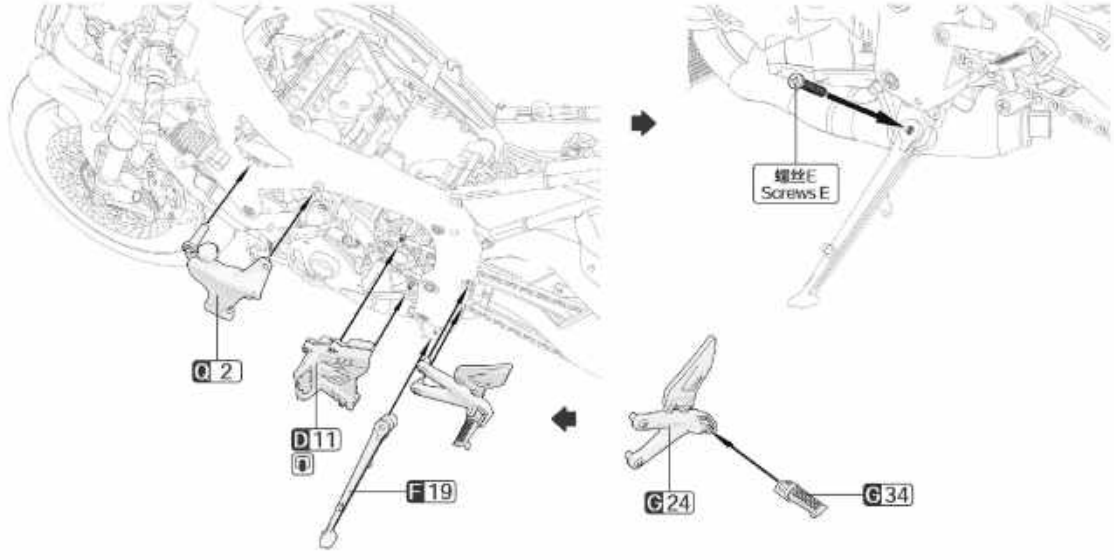
注意隐藏水口
Note the sprue tab gates



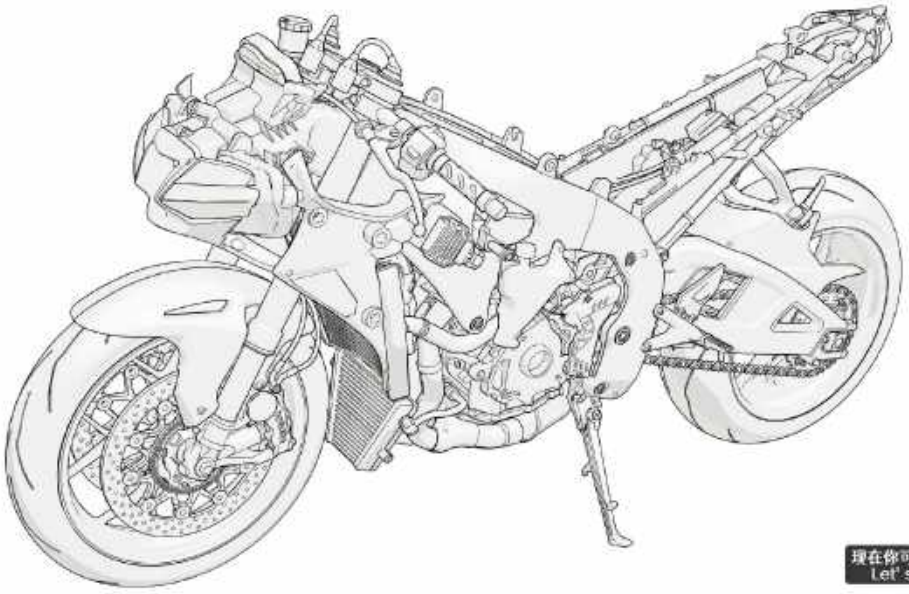


## 31. 车架附件组装 Frame Accessories Assembly

注意隐藏水口
Note the sprue tab gates



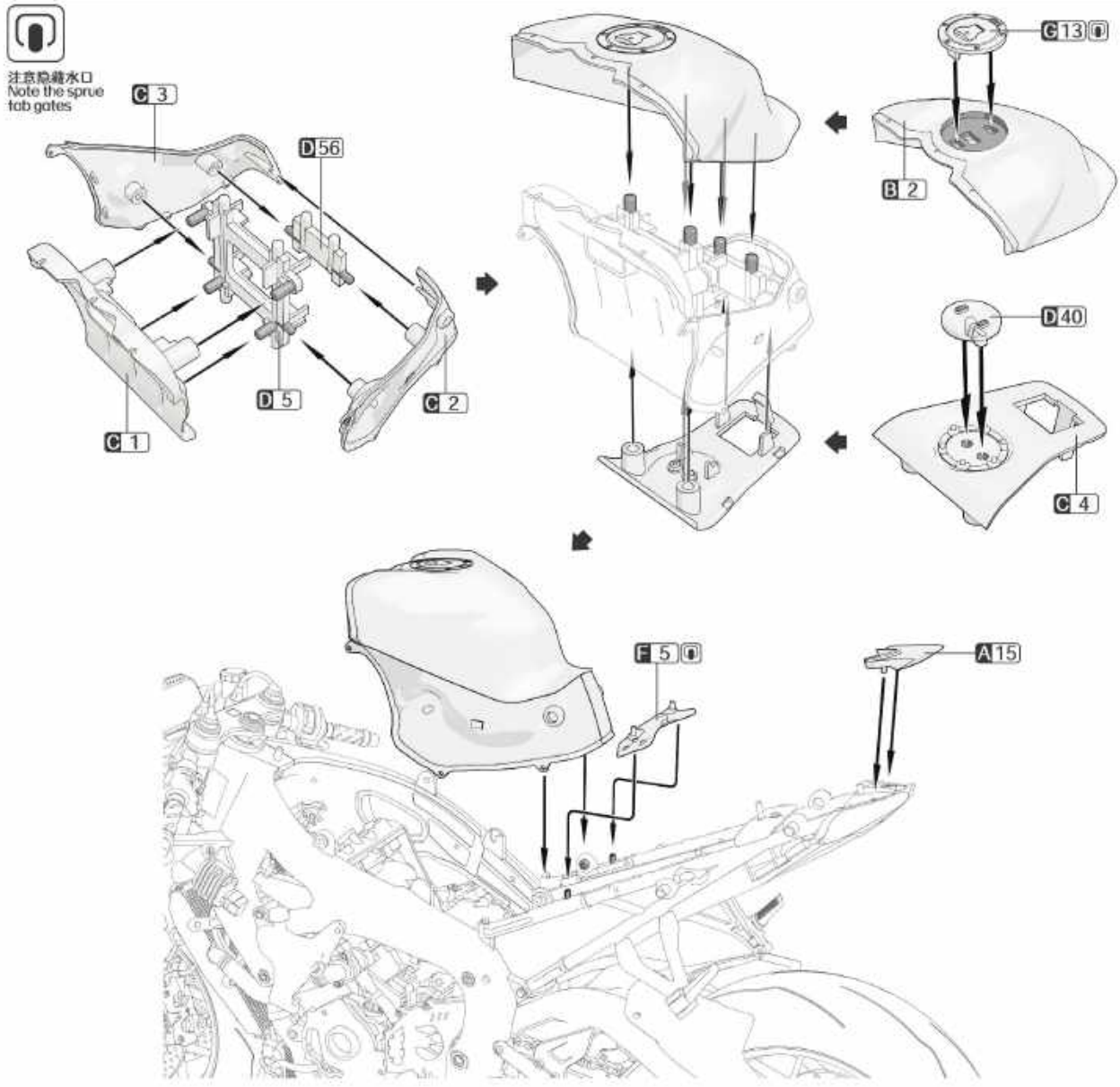
休息一下 ~
Take a nap ~



現在你可以將模型立在桌子上啦!
Let' s stand your Moto up!

## 32. 油箱组装
Fuel Tank Assembly

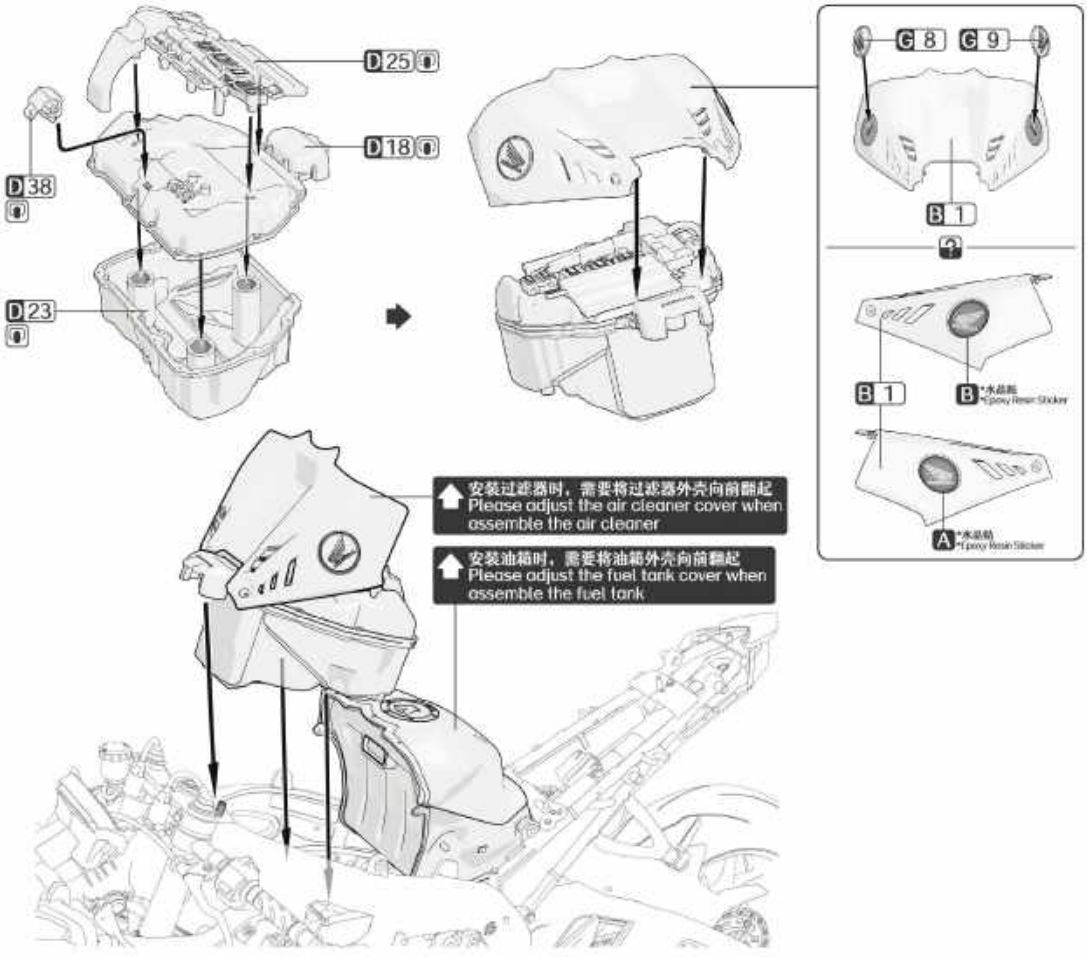
注意隐藏水口
Note the sprue tab gates



## 33. 过滤器组装 Air cleaner Assembly

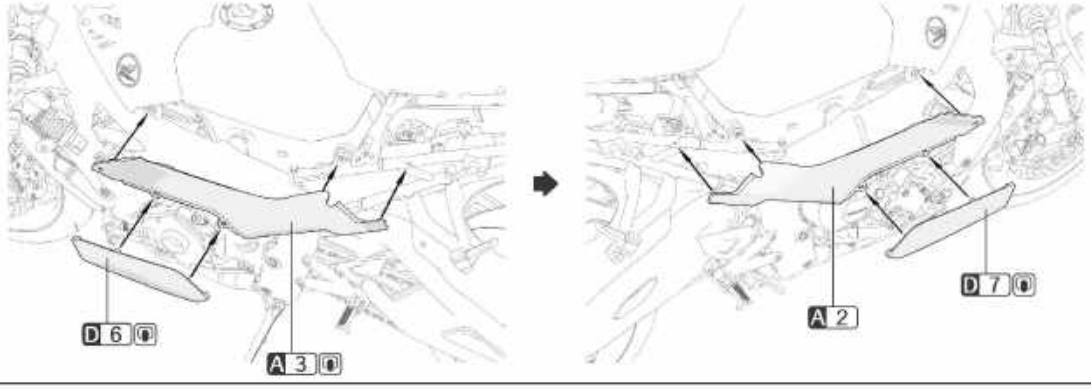
注意隐藏水口
Note the sprue tab gates

选择其一
Choose one



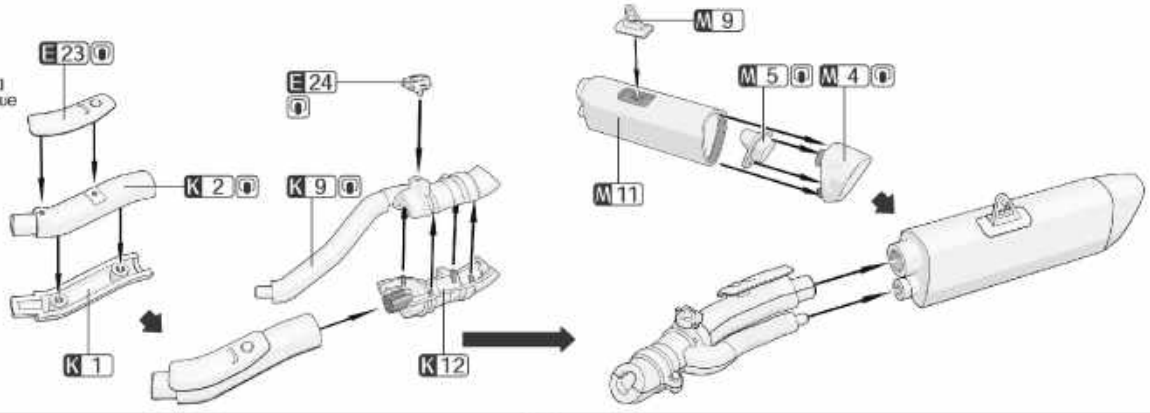

## 34. 外侧附件组装 Side Cover Assembly

注意隐藏水口
Note the sprue tab gates

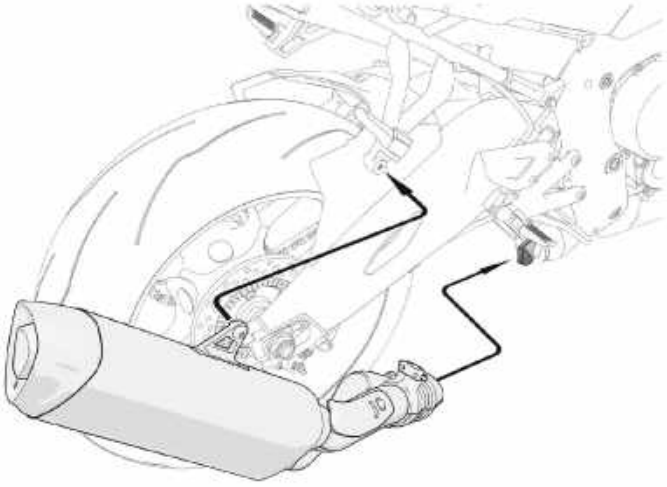



## 35. 消音器组装 Muffler Box Assembly

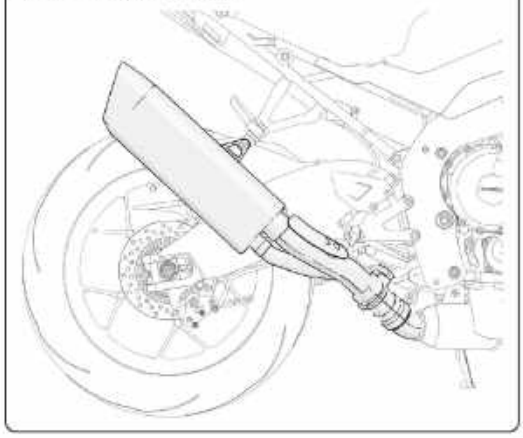
注意隐藏水口
Note the sprue tab gates



## 36. 消音器固定 Muffler Box Setting

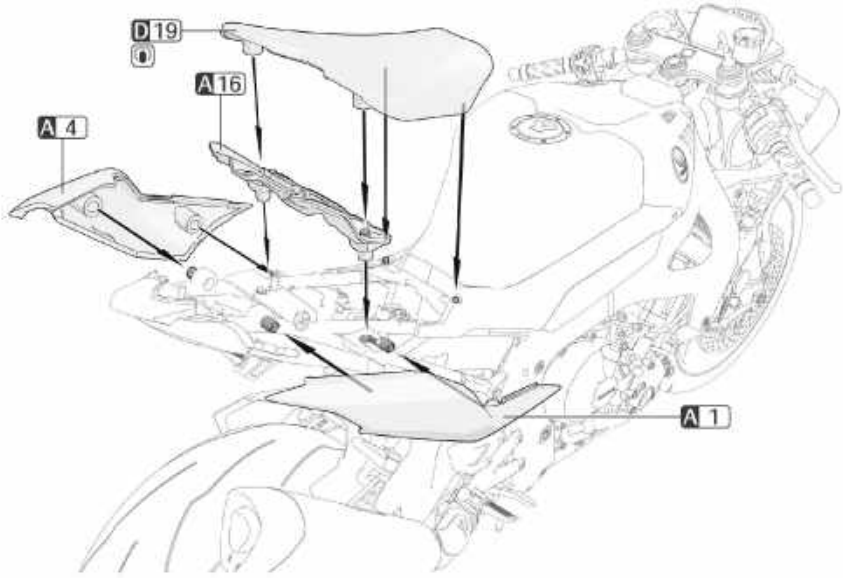


*注意零件安装方向与位置
*Note part assembly direction & position



## 37. 坐垫组装 Seat Assembly

注意隐藏水口
Note the sprue tab gates



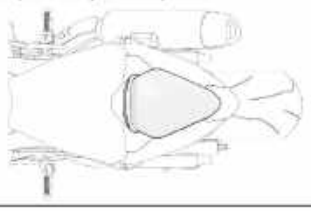

## 38. 后坐垫组装 Real Seat Assembly

注意隐藏水口
Note the sprue tab gates

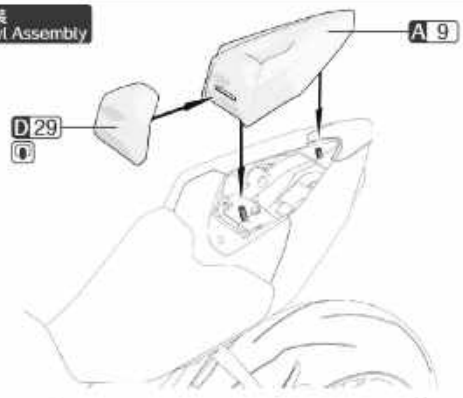
选择其一
Choose one

坐垫组装
Seat Assembly

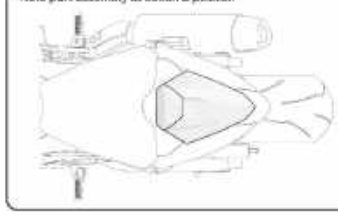

*注意零件安装方向与位置
*Note part assembly direction & position



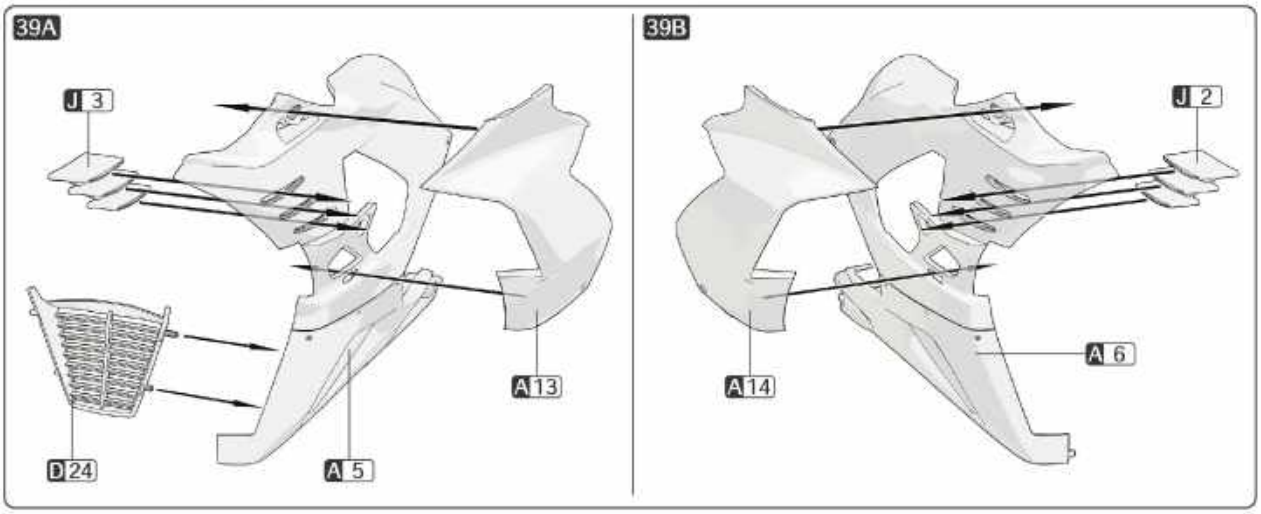
座椅罩组装
Seat Cowl Assembly

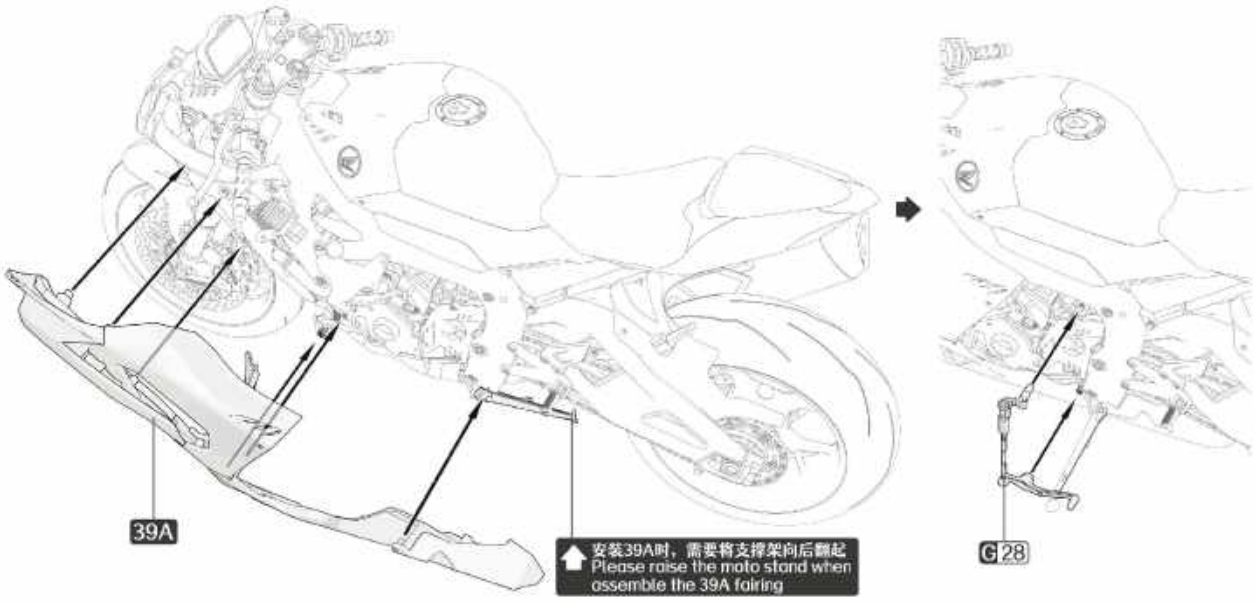


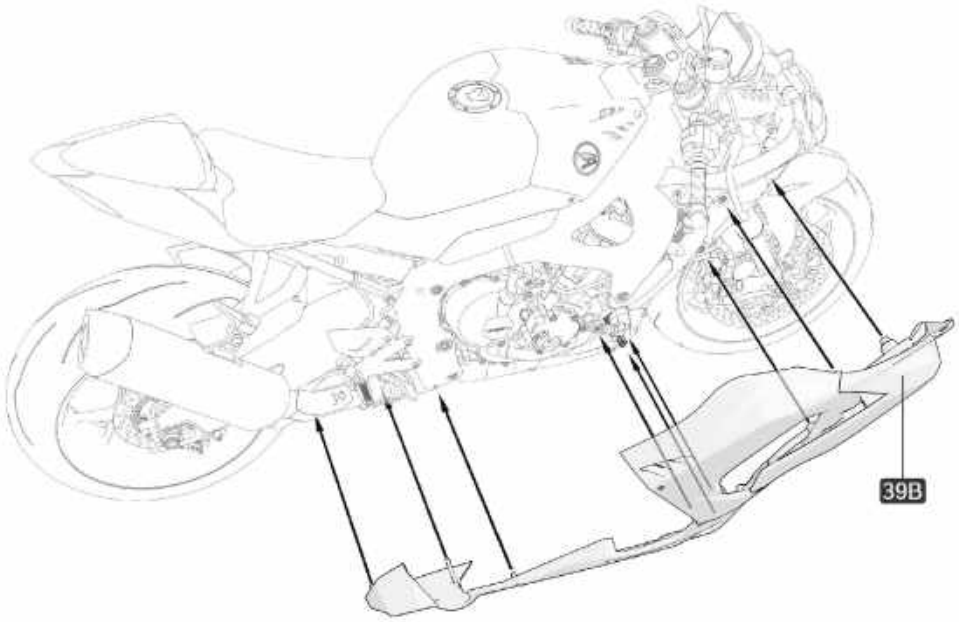

*注意零件安装方向与位置
*Note part assembly direction & position



# 39. 外部覆盖件组装 Fairing Assembly



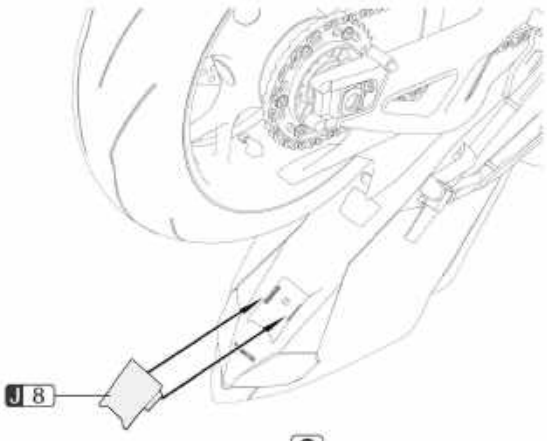



## 40. 牌照架组装 License Plate Assembly

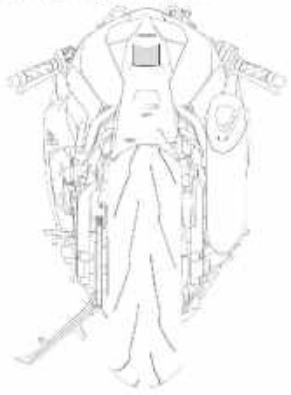
注意隐藏水口
Note the sprue tab gates

选择其一
Choose one

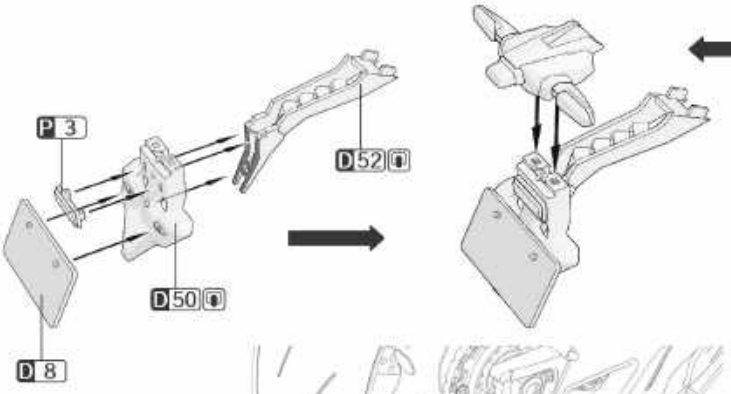
不安装牌照架
Block off Plate

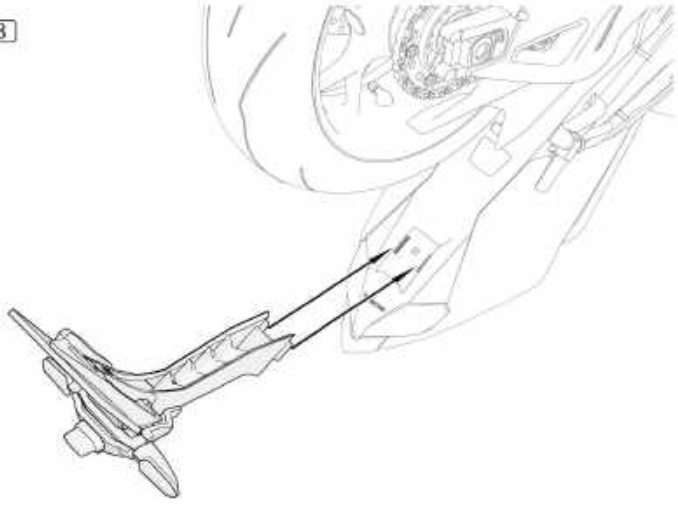



*注意零件安装方向与位置
*Note part assembly direction & position

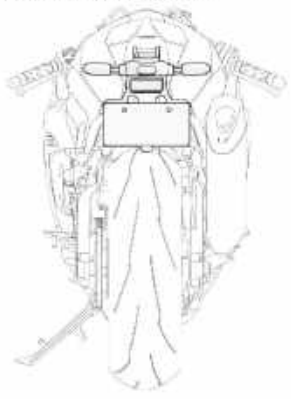


安装牌照架
License Plate

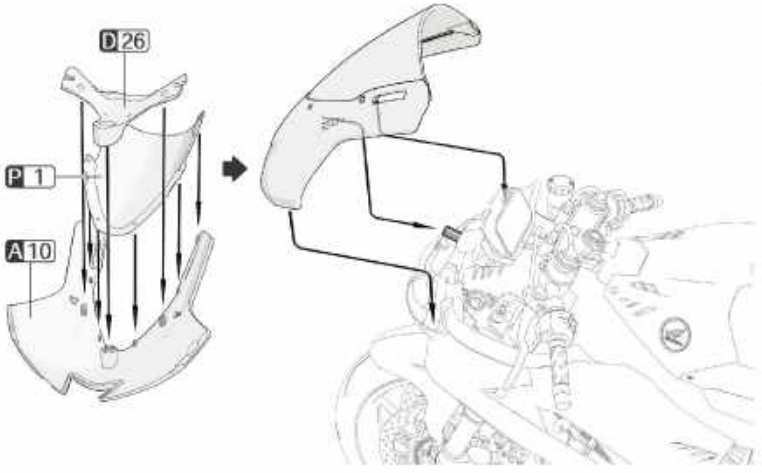


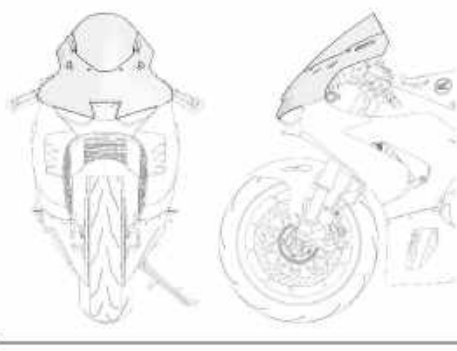
*注意零件安装方向与位置
*Note part assembly direction & position



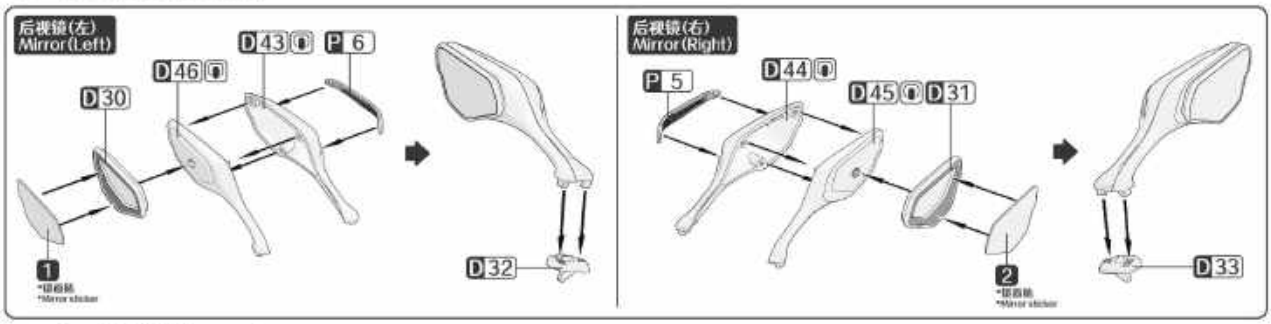
## 41. 风挡组装 Windscreen Assembly




*注意零件安装方向与位置
*Note part assembly direction & position

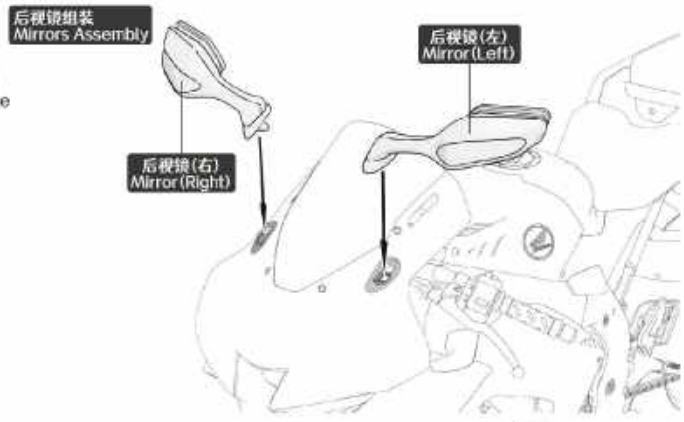


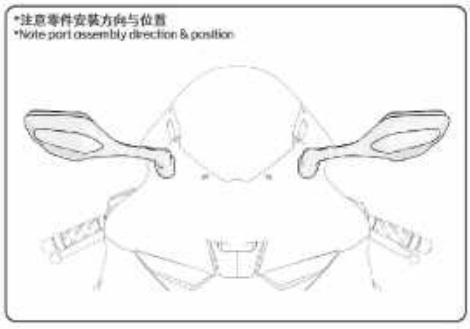
## 42. 后视镜组装 Mirrors Assembly

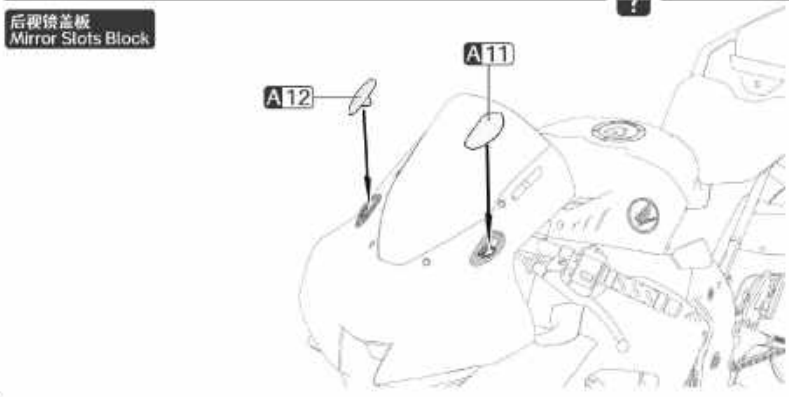


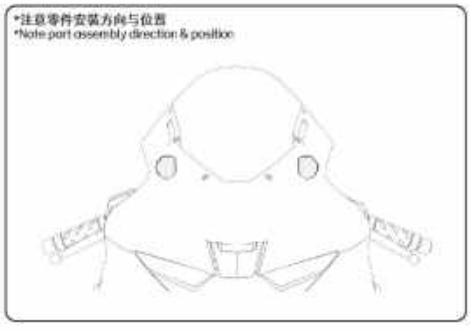

注意隐藏水口
Note the sprue tab gates

选择其一
Choose one

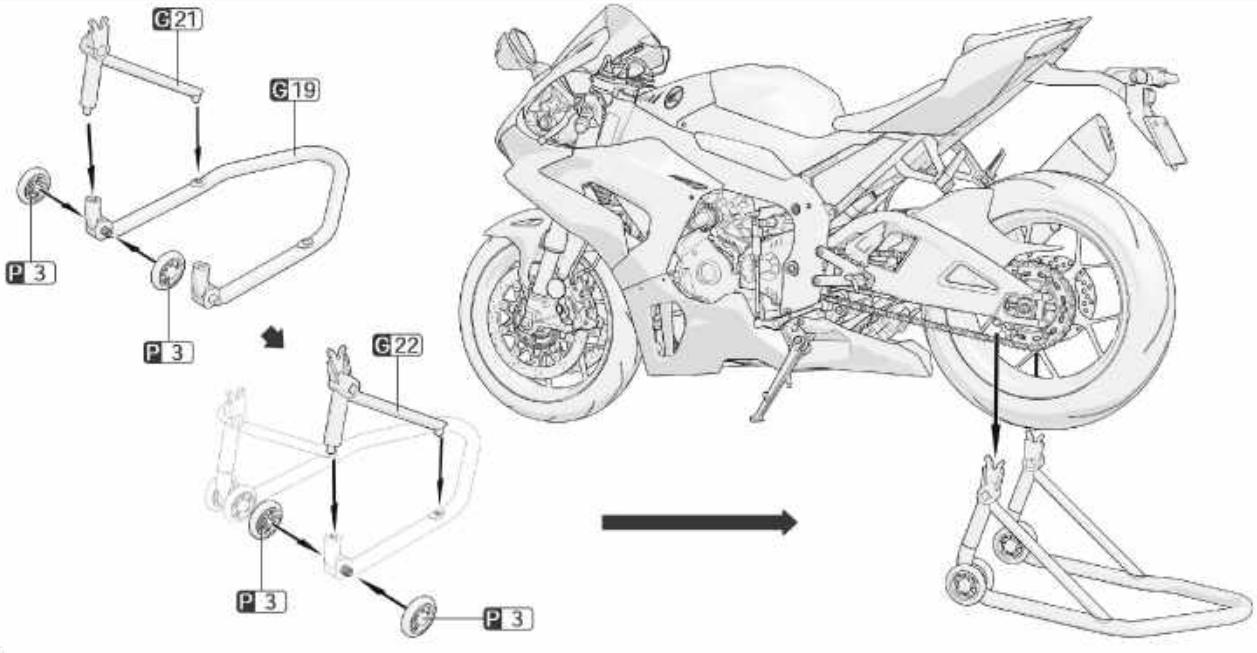


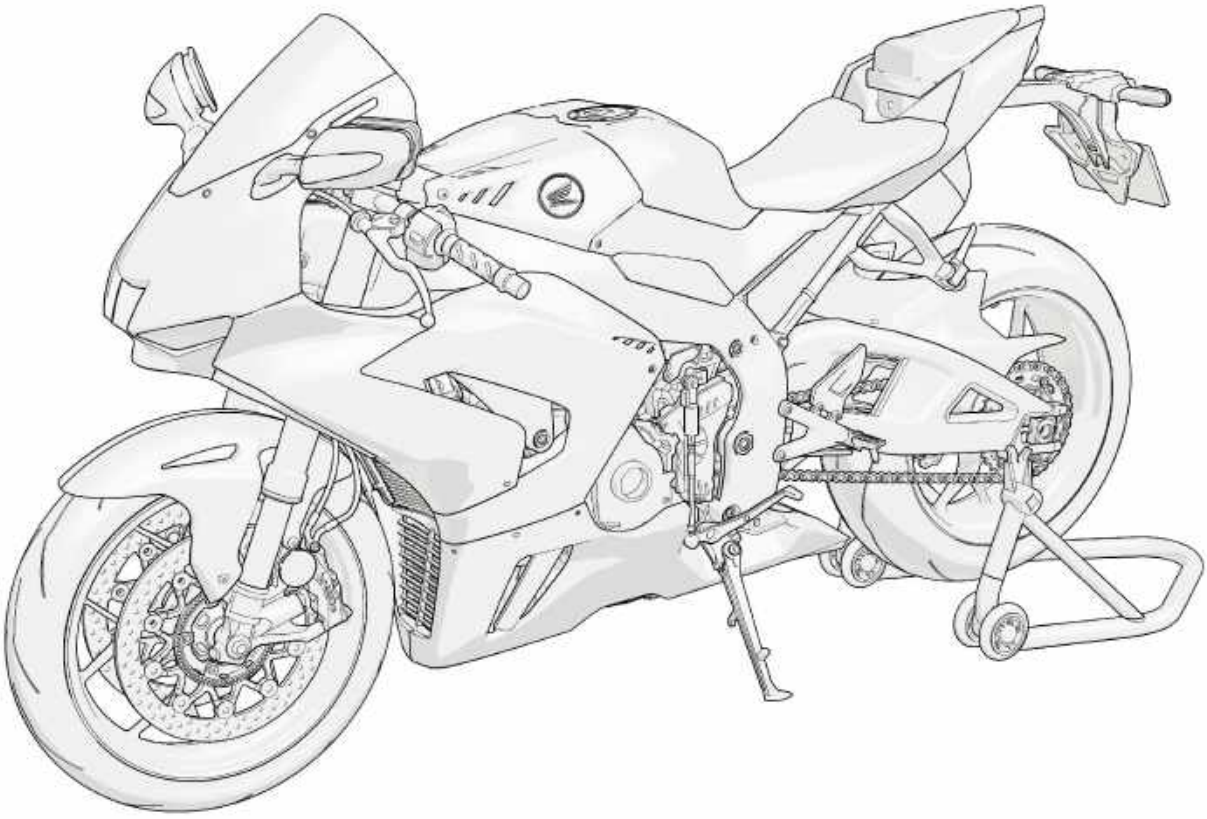




## 43. 支架组装 Moto Stand Assmebly



## 制作完成
## Well Done



完成啦，赶快拍照分享吧！
Congratuation! Let' s share your model with your friends!

MAGIC FACTORY

# HONDA

# CBR1000RR-R
# FIREBLADE SP

本田CBR1000RR-R"火刃"SP 摩托车