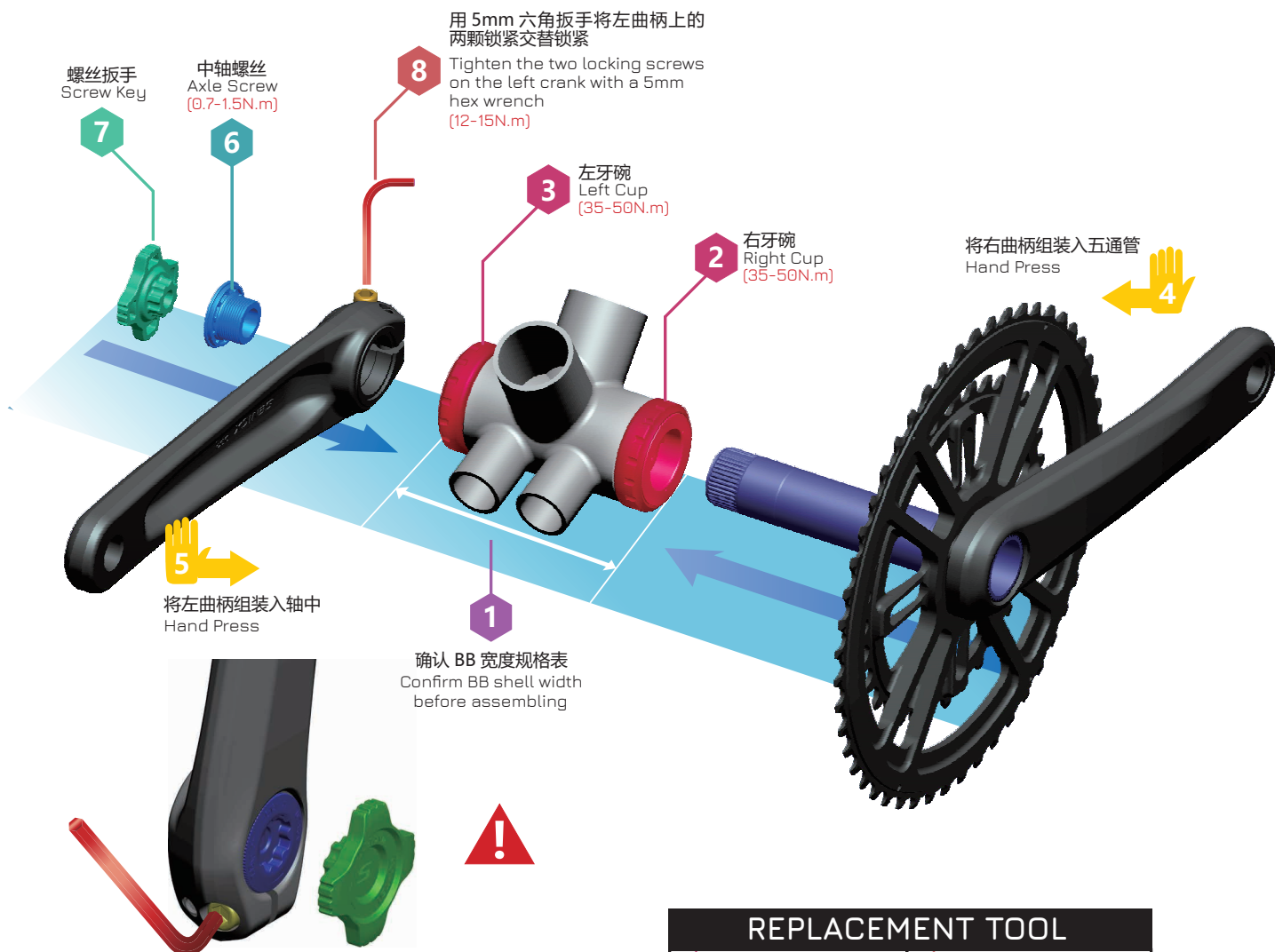
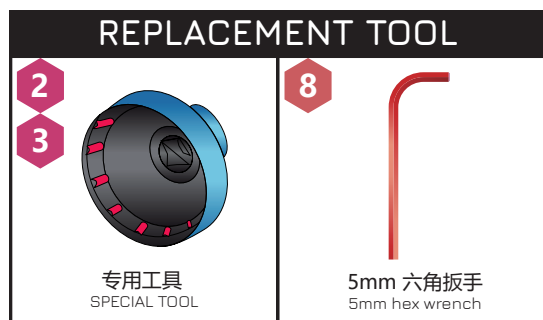


BSA Ø24mm SPINDLE ASSEMBLY INSTRUCTIONS



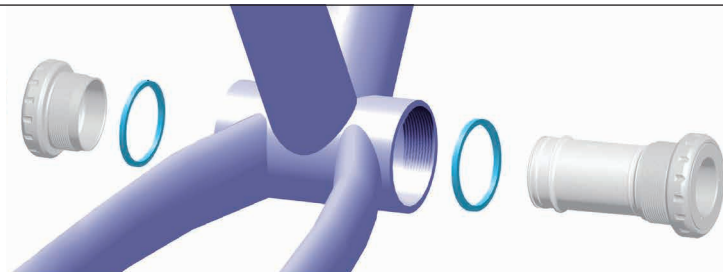
骑行约 100 公里之后, 请再次通过力矩扳手确认锁紧力矩为合适值, 定期确认锁紧力矩十分重要; 在锁紧力矩变弱或未交替的锁紧时, 则左曲柄可能脱落, 从而使骑车者跌倒而发生重伤。

After riding about 100 kilometers, please reconfirm the locking torque is appropriate value by the torque wrench again. It is very important to check and confirm the locking torque at regular intervals. When the locking torque becomes weak or not alternately locked, the left crank may fall off and it might cause the cyclist fall from the bicycle and get serious injury.



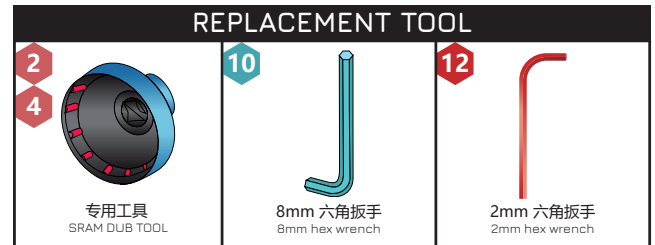
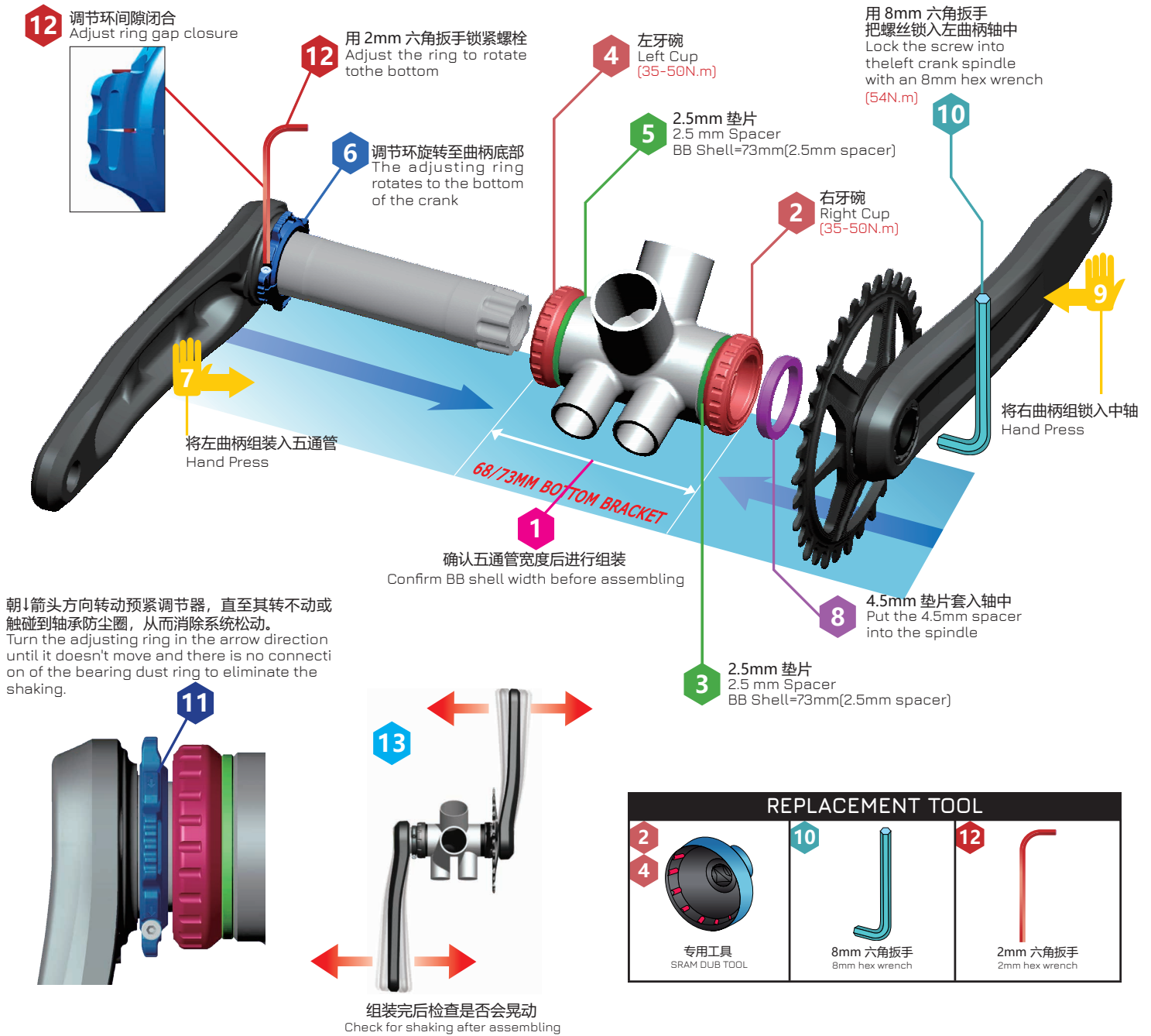
INSTALLATION PROCEDURE

- 1 Confirm the BB Shell width before assembling 1
- 2 Screw the right cup into BB Shell and lock with special tool. (Right cup: antilockwise locking, locking torque: 45-50 N.M.) 2
- 3 Screw the left cup into BB Shell and lock with special tool. (Left cup: clockwise locking, locking torque: 45-50 N.M.) 3
- 4 Insert the right crankset to the BB shell. 4
- 5 Insert the left crank to the axles of the right crankset. at the same time, the left crank and the right crankset should be 180 degrees in the opposite direction. then lock in the axle screw to left end of the axle. (Clockwise threads). At this moment, the groove of the left crank is the most widest. 5
- 6/7 Use the attached locking tool to tighten the axle screw (Clockwise threads), please confirm the locking torque is 0.75-1.5N.M via the torque wrench. Don't use excessive force otherwise it won't be rotated smoothly. 6 7
- 8 Use 5mm hex wrench to tighten the left crank locking screws. for the two left crank locking screws, do not tighten them for one time from one side. tighten them alternately from one side. and please confirm the locking torque of the hex wrench is 12-15 N.M. 8



| Frame Shell Connector | Crankset | BB Model | Frame Shell Connector | Frame Shell Width (MM) | Outer Left Spacer (MM) | Inner Left Spacer (MM) | Inner Right Spacer (MM) | Outer Right Spacer (MM) |
|---|-------------|--------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
|  | MTB | BB-BSA24M | BSA | 68 | / | 2.5 | 2*2.5 | / |
| | | | | 73 | / | / | 2.5 | / |
|  | MTB | BB92-24M | PressFit | 89.5 | / | / | 2.5 | / |
| | | | | 92 | / | / | / | / |
|  | MTB | PF30-24M | PressFit30 | 73 | / | / | / | / |
|  | MTB | BB30-24M | BB30 | 73 | / | / | / | / |
|  | MTB | T47-73-24M | T47 | 73 | / | / | / | / |
|  | MTB | T47-91-24M | T47 | 91 | / | / | / | / |
|  | ROAD GRAVEL | BB-BSA24R | BSA | 68 | / | / | / | / |
|  | ROAD GRAVEL | BB86-24R | PressFit | 86.5 | / | / | / | / |
|  | ROAD GRAVEL | PF30-24R | PressFit30 | 68 | / | / | / | / |
|  | ROAD GRAVEL | BB30-24R | BB30 | 68 | / | / | / | / |
|  | ROAD GRAVEL | BB386-24R | BB386 | 86.5 | / | / | / | / |
|  | ROAD GRAVEL | T47-68-24R | T47 | 68 | / | / | / | / |
|  | ROAD GRAVEL | T47-77A-24R | T47 | 76.75 | / | / | / | / |
|  | ROAD GRAVEL | T47-85.5-24R | T47 | 85.5 | / | / | / | / |

BSA Ø29mm SPINDLE ASSEMBLY INSTRUCTIONS



INSTALLATION PROCEDURE

- 1 Confirm the BB Shell width before assembling **1**
- 2 Screw the right cup into BB Shell and lock with special tool.(Right cup:antlockwise locking,locking torque:45-50 N.M.) **2 3**
- 3 Screw the left cup into BB Shell and lock with special too.(Left cup:clockwise locking,locking torque:45-50 N.M.) **4 5**
- 4 Verify that the left crank adjustment ring is rotated to the bottom **6**
- 5 Insert the left crankset into the BB shell,insert the 4.5mm spacer into the right spindle.(Please refer to the specification before placing the spacer),Insert the right crank into the BB shell spindle with an 8mm hex wrench.and tighten the screw with 54NM. (Note:Insert the left crank and right crank via 180 degrees in the opposite direction) **7 8 9 10**
- 6 Turn the adjusting ring on the left crank spindle follow the arrow until it does not move and there is no connection of the bearing dust ring to eliminate the shaking of the tooth plates. **11**
- 7 Tighten the adjusting ring bolts with a 2mm hex wrench until there is no clearance of the adjusting ring.If there is still clearance of the adjusting ring,it is ok that only if the top of edge has connection with the bearing dust ring.(Do not over tighten the bolt, otherwise the bolt might be damaged) **12**
- 8 After all the installation steps above,please check the crank is shaking or not.to shake the crank front and rear;if the crankset is shaking,remove it and add more grease for the spindle.Turn the adjusting ring in the arrow direction until it doesn't move. reinstallation to eliminate the shaking. **13**

Ø29MM ALLOY SPINDLE CRANKSET BOTTOM BRACKET SPACERS



| Frame Shell Connector | Crankset | BB Model | Frame Shell Connector | Frame Shell Width (MM) | Outer Left Spacer (MM) | Inner Left Spacer (MM) | Inner Right Spacer (MM) | Outer Right Spacer (MM) |
|-----------------------|-------------|--------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| | MTB | BB-BSA29M | BSA | 68 | / | 2.5 | 2.5 | 4.5 |
| | | | | 73 | / | / | / | 4.5 |
| | MTB | BB89.5-29M | PressFit | 89.5 | / | / | / | 4.5 |
| | MTB | BB92-29M | PressFit | 92 | / | / | / | 2 |
| | MTB | PF30-29M | PressFit30 | 73 | / | / | / | 4.5 |
| | MTB | BB30-29M | BB30 | 73 | / | / | / | 4.5 |
| | MTB | T47-73-29M | T47 | 73 | / | / | / | 4.5 |
| | MTB | T47-91-29M | T47 | 91 | 1 | / | / | 3 |
| | ROAD GRAVEL | BB-BSA29R | BSA | 68 | / | / | / | / |
| | ROAD GRAVEL | BB86-29R | PressFit | 86.5 | / | / | / | / |
| | ROAD GRAVEL | PF30-29R | PressFit30 | 68 | / | / | / | / |
| | ROAD GRAVEL | BB30-29R | BB30 | 68 | / | / | / | / |
| | ROAD GRAVEL | BB386-29R | BB386 | 86.5 | / | / | / | / |
| | ROAD GRAVEL | T47-68-29R | T47 | 68 | / | / | / | / |
| | ROAD GRAVEL | T47-77A-29R | T47 | 76.75 | / | / | / | / |
| | ROAD GRAVEL | T47-85.5-29R | T47 | 85.5 | / | / | / | / |