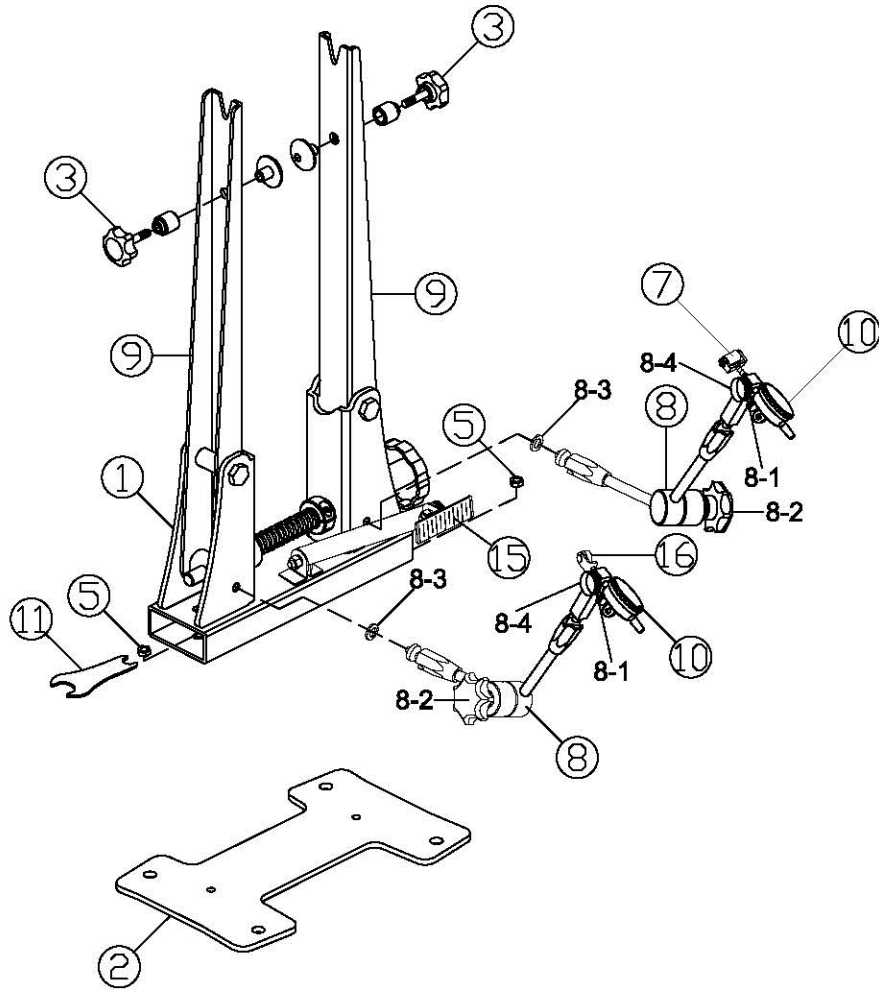
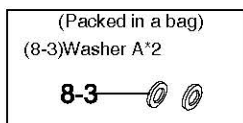
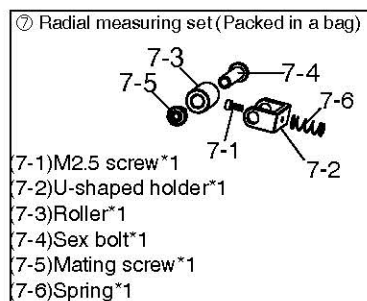
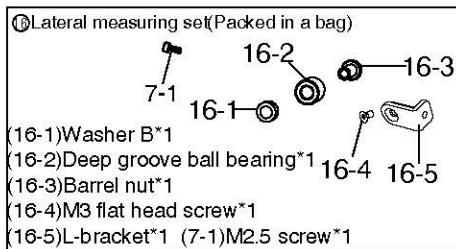
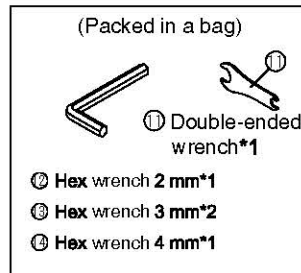
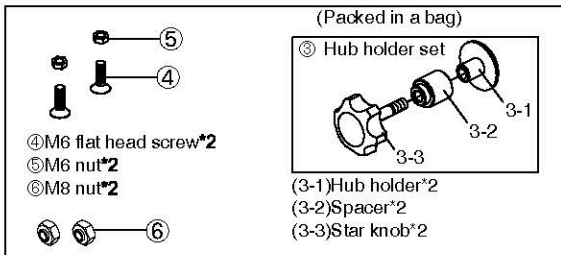


### 1 Parts description

Visit operation detail at Super B  
Website: <http://www.superbiketool.com/>,  
Click Product ➔ Wheelset truing stands ➔ 1. ➔ TB-PF30





NO	PARTS	Q'TY
①	Body	1
②	Base	1
③	Hub holder set	2
3-1	Hub holder	2
3-2	Spacer	2
3-3	Star knob	2
④	M6 flat head screw	2
⑤	M6 nut	2
⑥	M8 nut	2
⑦	Radial measuring set	1
7-1	M2.5 screw	1
7-2	U-shaped holder	1
7-3	Roller	1
7-4	Sex bolt	1
7-5	Mating screw	1
7-6	Spring	1
⑧	All-purpose arm	2
8-1	Fine-tuning knob	2
8-2	Knob	2
8-3	Washer A	2
8-4	Dial indicator knob	2
⑨	Upright	2
⑩	Dial indicator	2
⑪	Double-ended wrench	1
⑫	Hex wrench 2 mm	1
⑬	Hex wrench 3 mm	2
⑭	Hex wrench 4 mm	1
⑮	Measuring ruler	1
⑯	Lateral measuring set	1
7-1	M2.5 screw	1
16-1	Washer B	1
16-2	Deep groove ball bearing	1
16-3	Barrel nut	1
16-4	M3 flat head screw	1
16-5	L-bracket	1

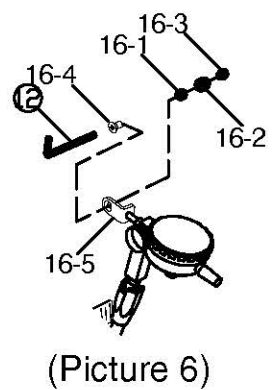
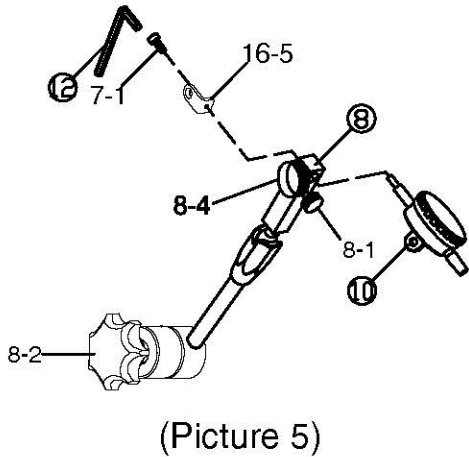
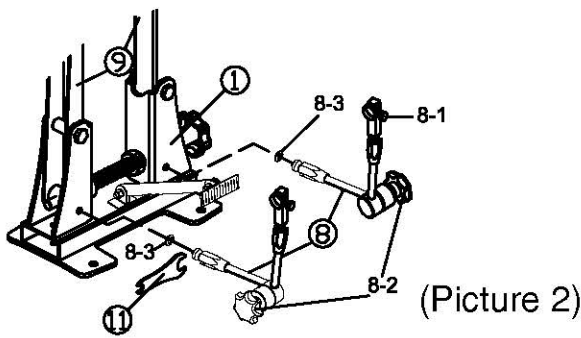
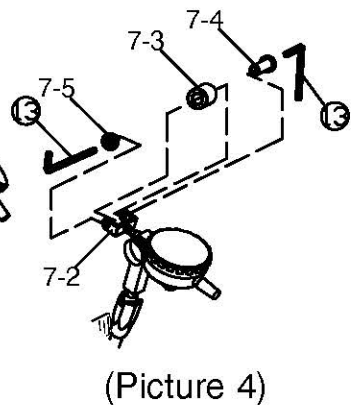
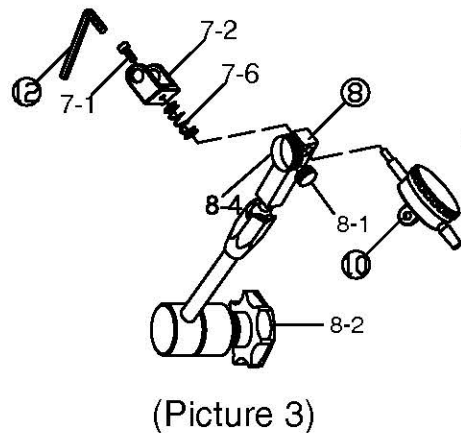
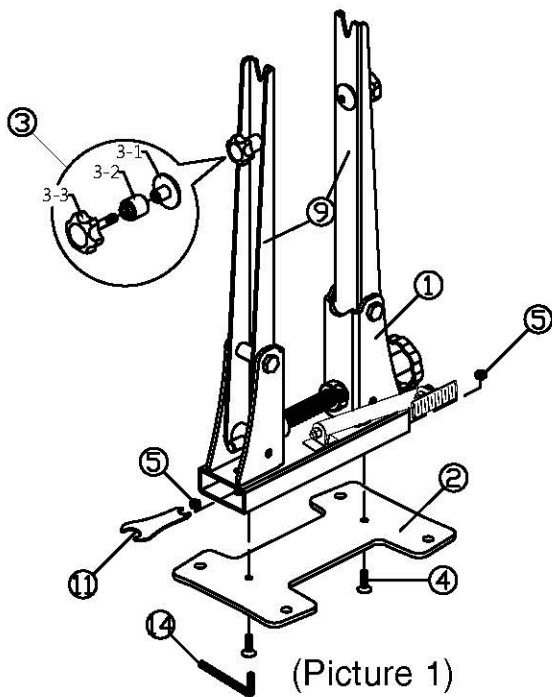


**2 Assembly**


1. Install the base ② and body ① with double-ended wrench ⑪, hex wrench 4 mm ⑬, M6 flat head screw ④ and M6 nut ⑤. Then, install hub holder set ③ on uprights ⑨. (see picture 1)
2. Firstly, loosen the knob(8-2)of all-purpose arms ⑧, and use double-ended wrench ⑪ to assemble all-purpose arms ⑧ and washer A(8-3)on the body ①. (see picture 2)  
(Note: In case you do not assemble washer A(8-3), the uprights ⑨ will not be operated.)
3. Loosen the dial indicator knob(8-4), set the two dial indicators ⑩ separately on all-purpose arms ⑧, and then tighten the dial indicator knob (8-4). (see picture 3)
4. Assemble the radial measuring set ⑦ on dial indicator ⑩.
  - 4-1. Remove the contact point of the right dial indicator ⑩.
  - 4-2. Assemble M2.5 screw(7-1), U-shaped holder(7-2), and spring(7-6)on the right dial indicator ⑩ by hex wrench 2 mm ⑫. (see picture 3)
  - 4-3. Assemble roller(7-3), sex bolt(7-4)and mating screw(7-5)on U-shaped holder(7-2) by 2 hex wrenches 3 mm ⑬. (see picture 4)
5. Assemble the lateral measuring set ⑬ on dial indicator ⑩.
  - 5-1. Remove the contact point of the left dial indicator ⑩.
  - 5-2. Assemble M2.5 screw(7-1), L-bracket(16-5)on the left dial indicator ⑩ by hex wrench 2 mm ⑫. (see picture 5)
  - 5-3. Assemble M3 flat head screw(16-4), washer B(16-1), deep groove ball bearing(16-2), barrel nut(16-3)on L-bracket(16-5)by hex wrench 2 mm ⑫ and slotted screwdriver. (see picture 6)

 Be aware of the direction of base ②. The longer side should face the operator.

 Be sure to loosen the knob 8-2 before adjusting the all-purpose arms ⑧ for fear of breaking the inside joint.




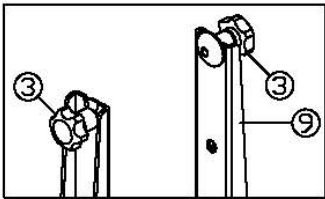
**3 Instruction**

 Please securely fix the hub on uprights ⑨ to ensure the truing accurately.

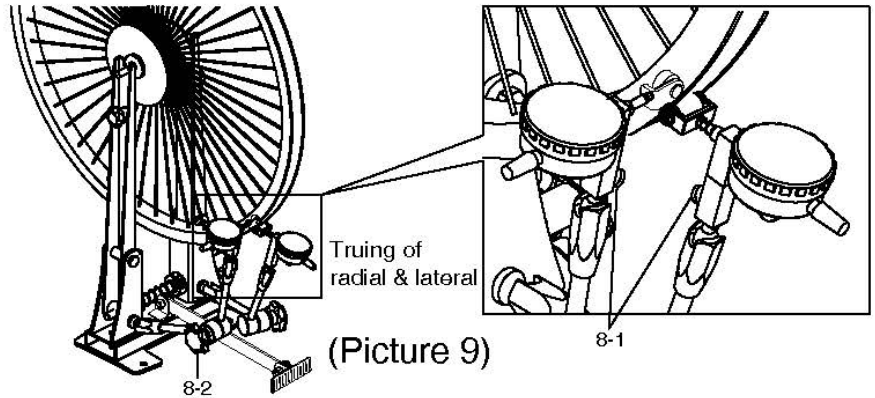
**Rim truing :**

1. Set the hub on uprights ⑨ which are suitable for quick-release hub and threaded hub. (see picture 8)
2. If the hub is a thru-axle hub (12 to 20 mm), please set the hub holder set ③ on the top of uprights ⑨. (see picture 7)
3. Move the measuring ruler ⑬ to be close to the rim and proceed initial truing till the tolerance of radial and lateral is less than  $\pm 2$  mm. (see picture 8)  
(Notice: The tolerance must be less than measuring range of dial indicator ⑩.)
4. Put the measuring ruler ⑬ away when initial truing is done.
5. Loosen the knob (8-2) to make the dial indicator ⑩ to be close to the rim (without actual contact) and then tighten it (8-2).
6. Adjust the fine-tuning knob (8-1) to make the dial indicator ⑩ contacted the rim. (see picture 9)
7. Make sure the dial indicators ⑩ are vertical with the rim.
8. True the rim precisely according to the dial indicator ⑩.
9. Suggest truing with wheel alignment gauge (TB-1930) (optional).
10. When truing is done, adjust the fine-tuning knob (8-1) to keep the dial indicator ⑩ away from the rim.
11. Loosen the knob (8-2) to move the dial indicator ⑩ away from the rim and then tighten it (8-2).
12. Check and calibrate it with truing stand correction gauge (TB-PF33) (optional).

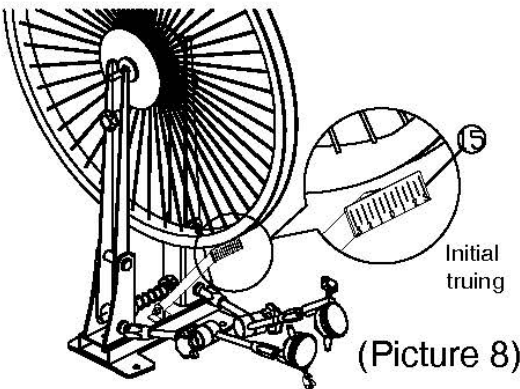
 The measuring range of dial indicator ⑩ is from 0.01mm to 5 mm. Please avoid exceeding the maximum




(Picture 7)

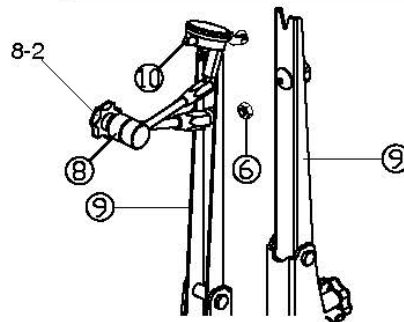


(Picture 9)



(Picture 8)

 While assembling the left all-purpose arm ⑧, please keep the dial indicator ⑩ from physical impact or it could lose its accuracy.



(Picture 10)



(Picture 11)

**Rotor truing :**

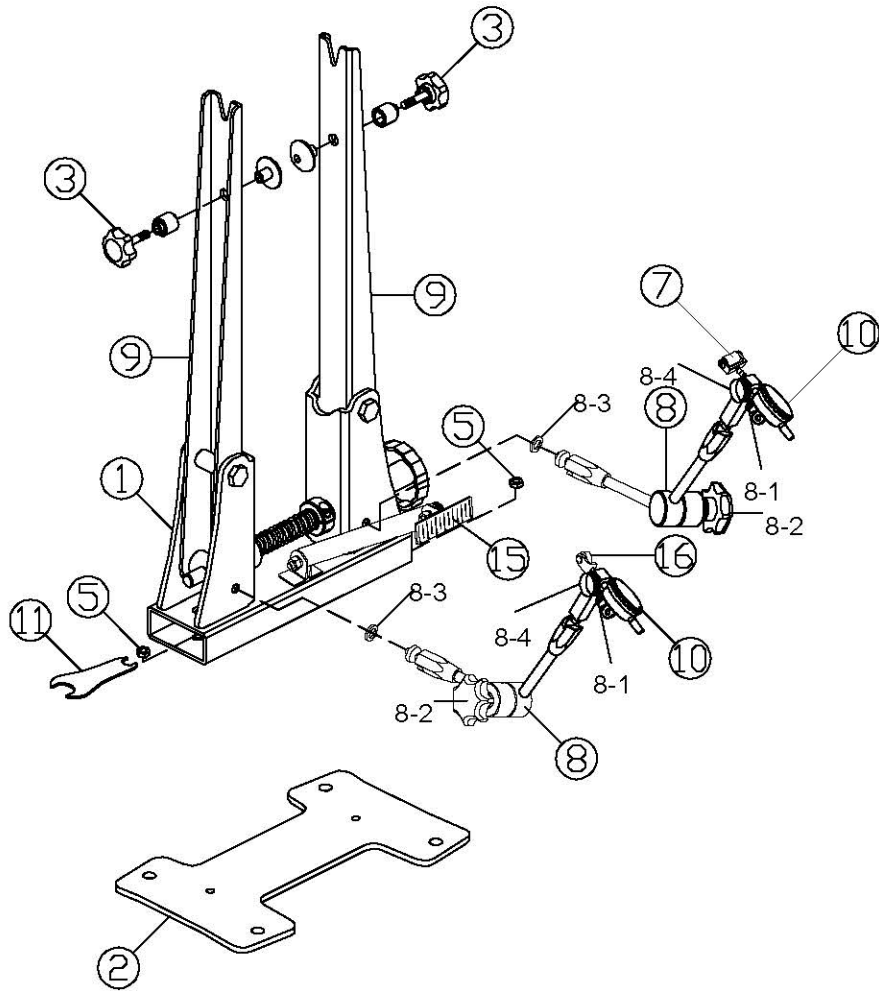
1. Loosen the knob (8-2) and remove the left all-purpose arm ⑧.
2. Install the all-purpose arm ⑧ on the left upright ⑨ with M8 nut ⑥. (see picture 10)
3. Loosen the knob (8-2) to make the dial indicator ⑩ to be close to the rotor (without actual contact) and then tighten it (8-2).
4. Adjust the fine-tuning knob (8-1) to make the dial indicator ⑩ contacted the rotor. (see picture 11)
5. Make sure the dial indicator ⑩ is vertical with the rotor. (Notice: Avoid the dial indicator from touching the heat dissipation hole)
6. True the rotor precisely according to dial indicator ⑩ by rotor truing fork (TB-MW40) (optional).
7. When truing is done, adjust the fine-tuning knob (8-1) to keep the dial indicator ⑩ away from the rotor.
8. Loosen the knob (8-2) to move the dial indicator ⑩ away from the rotor and then tighten it (8-2).

1 零件名稱及數量

詳細操作影片請至Super B

官網<http://www.superbiketool.com/>觀看，點擊

Product → Wheelset truing stands → 1. → TB-PF30



編號	名稱	數量
①	校正台主體	1
②	底座	1
③	花鼓托架組	2
3-1	花鼓托架	2
3-2	墊圈	2
3-3	星型旋鈕	2
④	皿型螺絲M6	2
⑤	螺帽M6	2
⑥	螺帽M8	2
⑦	正圓測量座組	1
7-1	螺絲M2.5	1
7-2	U型托架	1
7-3	滾輪	1
7-4	對鎖螺絲(母)	1
7-5	對鎖螺絲(公)	1
7-6	彈簧	1
⑧	萬向錶座	2
8-1	微調鈕	2
8-2	錶座旋鈕	2
8-3	華司A	2
8-4	百分錶旋鈕	2
⑨	輪組夾臂	2
⑩	百分錶	2
⑪	雙開口扳手	1
⑫	六角扳手 2 mm	1
⑬	六角扳手 3 mm	2
⑭	六角扳手 4 mm	1
⑮	測量卡尺	1
⑯	偏擺測量座組	1
7-1	螺絲M2.5	1
16-1	華司B	1
16-2	深溝滾珠軸承	1
16-3	培林固定軸	1
16-4	皿型螺絲M3	1
16-5	培林固定板	1

(此框內零件一個袋子包裝)

④皿型螺絲M6\*2  
⑤螺帽M6\*2  
⑥螺帽M8\*2

③花鼓托架組  
3-1  
3-2  
3-3

(3-1) 花鼓托架\*2  
(3-2) 墊圈\*2  
(3-3) 星型旋鈕\*2

(工具一個袋子包裝)

⑪ 雙開口扳手\*1

⑫六角扳手 2 mm\*1  
⑬六角扳手 3 mm\*2  
⑭六角扳手 4 mm\*1

⑯ 偏擺測 (此框內零件一個袋子包裝) 量座組

(16-1) 華司B\*1  
(16-2) 深溝滾珠軸承\*1  
(16-3) 培林固定軸\*1  
(16-4) 皿型螺絲M3\*1  
(16-5) 培林固定板\*1 (7-1)螺絲M2.5\*1

⑦正圓測 (此框內零件一個袋子包裝) 量座組

(7-1) 螺絲M2.5\*1  
(7-2) U型托架\*1  
(7-3) 滾輪\*1  
(7-4) 對鎖螺絲(母)\*1  
(7-5) 對鎖螺絲(公)\*1  
(7-6) 彈簧\*1

(此框內零件一個袋子包裝)

(8-3) 華司A\*2

## 2 組裝步驟

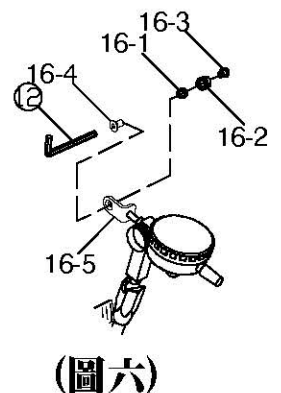
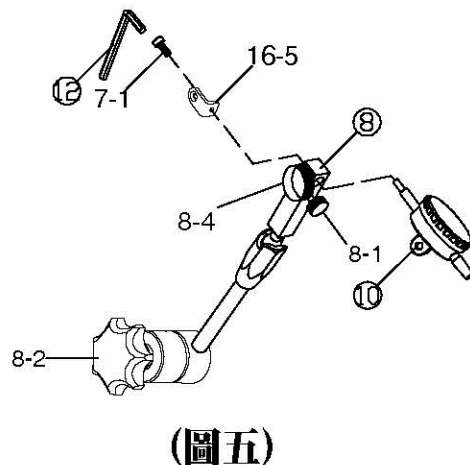
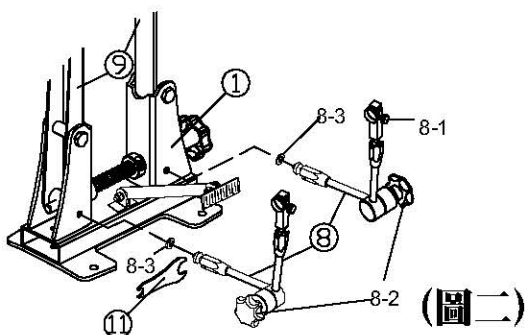
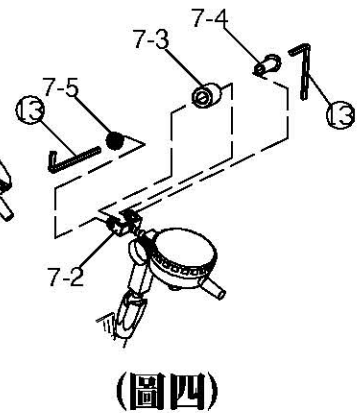
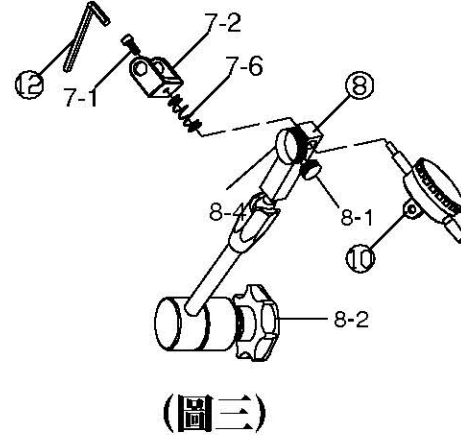
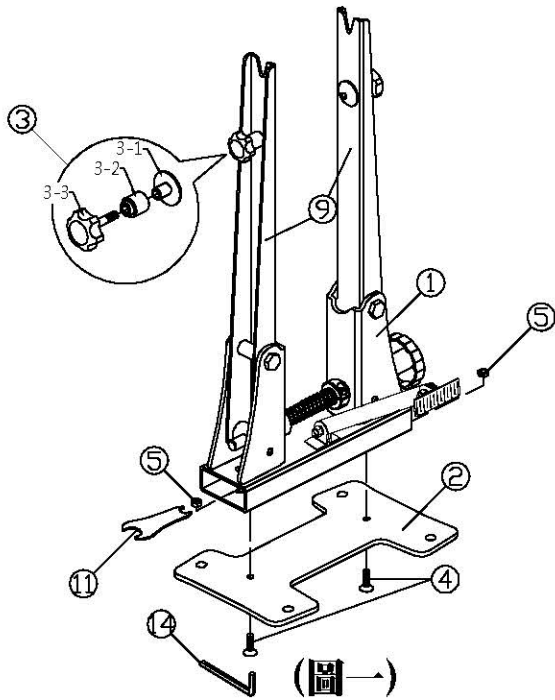
1. 使用雙開口扳手①、六角扳手4 mm⑭、皿型螺絲M6④與螺帽M6⑤組裝於校正台主體①與底座②，再組裝花鼓托架組③於輪組夾臂⑨。(如圖一所示)
2. 請先將錶座旋鈕(8-2)放鬆，再使用雙開口扳手①將萬向錶座⑧與華司A(8-3)組裝於校正台主體①上。(如圖二所示)(注意:如未組裝華司A(8-3)，會導致輪組夾臂⑨不能動作)
3. 先鬆開百分錶旋鈕(8-4)，將兩個百分錶⑩分別固定於萬向錶座⑧上，並旋緊百分錶旋鈕(8-4)。(如圖三所示)
4. 組裝正圓測量座組⑦於百分錶⑩上。
  - 4-1. 將右側百分錶⑩探針拆下。
  - 4-2. 使用六角扳手2 mm⑫，將螺絲M2.5(7-1)、U型托架(7-2)與彈簧(7-6)組裝於右側百分錶⑩上。(如圖三所示)
  - 4-3. 使用兩隻六角扳手3 mm⑬，組裝滾輪(7-3)、對鎖螺絲(母)(7-4)與對鎖螺絲(公)(7-5)於U型托架(7-2)上。(如圖四所示)
5. 組裝偏擺測量座組⑥於百分錶⑩上。
  - 5-1. 將左側百分錶⑩探針拆下。
  - 5-2. 使用六角扳手2 mm⑫，將螺絲M2.5(7-1)、培林固定板(16-5)組裝於左側百分錶⑩上。(如圖五所示)
  - 5-3. 使用六角扳手2 mm⑫與一字扳手，組裝皿型螺絲M3(16-4)、華司B(16-1)、深溝滾珠軸承(16-2)與培林固定軸(16-3)於培林固定板(16-5)上。(如圖六所示)



組裝時請注意底座②方向，較長的一邊須朝向使用者方向



調整萬向錶座⑧前，請務必先放鬆錶座旋鈕(8-2)，否則將導致萬向錶座關節處損壞

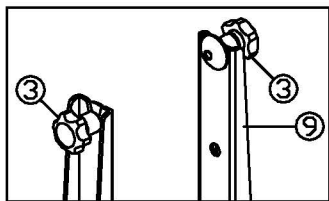


### 3 使用說明

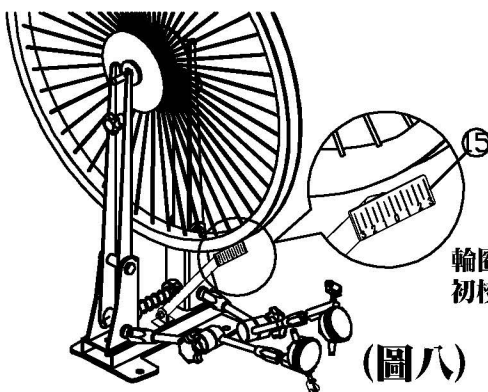
⚠ 請確實固定花鼓於輪組夾臂⑨，以確保校正精確度

#### 輪圈校正：

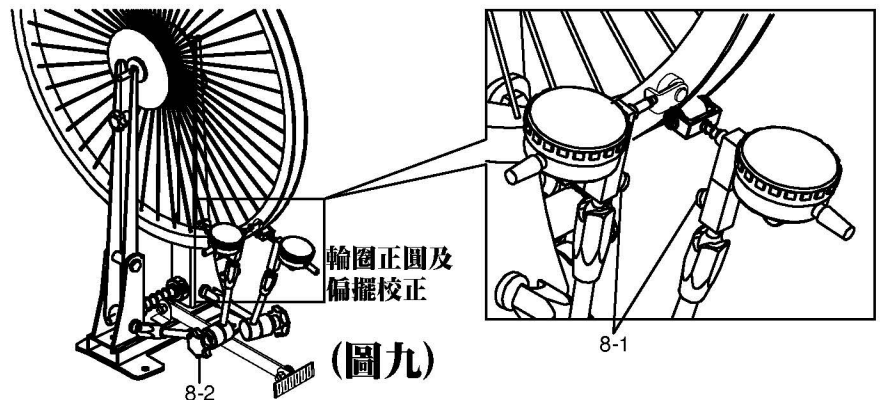
1. 固定花鼓於輪組夾臂⑨上，適用於快拆軸心與一般有牙軸心花鼓。(如圖八所示)
2. 當花鼓為直通軸心花鼓 (12~20 mm)，請將花鼓托架組③固定於輪組夾臂⑨頂端。(如圖七所示)
3. 移動測量卡尺⑤接近輪圈，進行初校正直到偏擺與正圓誤差小於±2 mm。(如圖八所示)  
(注意：誤差須小於百分錶⑩測量範圍)
4. 初校正完成後，將測量卡尺⑤移開。
5. 先放鬆錶座旋鈕 (8-2)，再移動百分錶⑩接近輪圈 (不接觸輪圈)，再將錶座旋鈕 (8-2) 鎖緊。
6. 調整微調鈕 (8-1)，讓百分錶⑩輕觸輪圈。(如圖九所示)
7. 確認百分錶⑩與輪圈是互相垂直的。
8. 根據百分錶⑩的數據進行精確校正。
9. 搭配使用輪組中心定位量規 (TB-1930) (選配) 測量輪組中心。
10. 校正完成後調整微調鈕 (8-1)，讓百分錶⑩離開輪圈。
11. 再放鬆錶座旋鈕 (8-2)，再移動百分錶⑩遠離輪圈之後將錶座旋鈕 (8-2) 鎖緊。
12. 建議搭配輪圈校正台校正量規 (TB-PF33) (選配)，檢查與調整輪圈校正台。



(圖七)



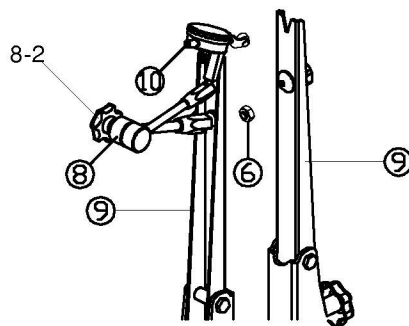
(圖八)



(圖九)

⚠ 百分錶⑩測量範圍為0.01 mm~5 mm，量測時請避免超過此範圍

⚠ 組裝左側萬向錶座⑧時，請勿讓百分錶⑩遭受撞擊，以免喪失精準度



(圖十)



(圖十一)

#### 碟盤校正：

1. 放鬆錶座旋鈕 (8-2)，將左側萬向錶座⑧拆下。
2. 使用螺帽M8⑥將萬向錶座⑧固定於左側輪組夾臂⑨上。(如圖十所示)
3. 放鬆錶座旋鈕 (8-2)，移動百分錶⑩接近碟盤 (不接觸碟盤)，再將錶座旋鈕 (8-2) 鎖緊。
4. 調整微調鈕 (8-1)，讓百分錶⑩輕觸碟盤。(如圖十一所示)
5. 確認百分錶⑩與碟盤是互相垂直的。(注意：校正時，需避免百分表接觸散熱孔)
6. 根據百分錶⑩的數據進行精確校正，建議搭配碟盤校正工具 (TB-MW40) (選配) 使用。
7. 校正完成後調整微調鈕 (8-1)，讓百分錶⑩離開碟盤。
8. 放鬆錶座旋鈕 (8-2)，再移動百分錶⑩遠離碟盤之後將錶座旋鈕 (8-2) 鎖緊。