

# 前減維護手冊

## Maintenance for Fastace General Front Fork

### 1、從摩托車上卸下前減 Remove your fork on motorcycle:

用支架將摩托車架起，先取下碟剎、前輪，再鬆開聯板螺絲將減震取下(建議先拆換一支，待完成後再拆換另一支)

Put motorcycle on a workstand, remove the caliper and front wheel, and loosen the triple clamp screws and remove the front fork from the motorcycle(You could remove and maintenance one leg first)

### 2、換油 Change oil

如圖 1 所示，先用軟夾夾住外管，用專用工具或用 26mm 開口扳手逆時針方向將彈簧調整座外管完全鬆開。

As shown in fig.1: use soft jaw to mount the outer tube, loosen the top cap assembly from the outer tube with 26mm wrench in an anticlockwise direction.

如圖 2 所示，將廢油倒入專門的回收桶內，並按相關法規處理。

As shown in fig.2: drain all oil to recycling bucket and dispose according to relevant regulations.

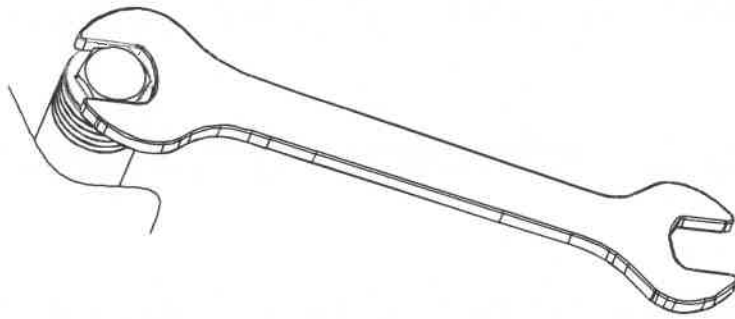


圖 1 Fig.1



圖 2 Fig.2

### 3、拆卸調整座、彈簧 Remove the cap and spring

如圖 3 所示，將專用工具或 26mm 開口扳手放在調整座頂部，再用 17mm 扳手插入對鎖螺母扁位逆時針方向將調整座鬆開，再逆時針旋轉卸除調整座，取出彈簧如圖 4

As shown in fig.3: Use 26mm wrench to fix the top cap, remove the top cap assembly and spring from the shaft. Use a 17mm wrench on the shaft in an anticlockwise direction as shown in fig.4..

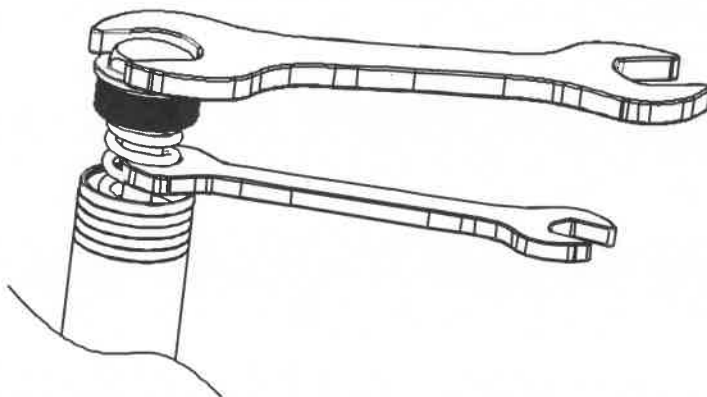


圖 3 Fig.3

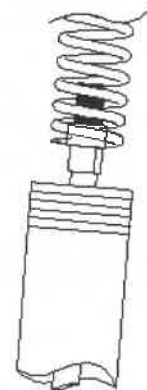


圖 4 Fig.4

#### 4、拆卸下腳 Remove the wheel clamp

如圖 5、6 所示,將前叉底部用軟夾夾住,用電熱槍在下腳螺紋處加熱,用 2.5mm 內六角扳手放鬆腳側面的緊固螺絲,再用專用工具擰開並移除主體管及外管,清理干淨螺紋。

As shown in fig.5 and 6: Mount soft clamp jaw on the stanchion tube, use heat gun to heat up the wheel clamp, especially the position of thread, use 2.5mm hex wrench to loosen the screw on the side of wheel clamp, and loosen and remove the stanchion tube and outer tube, clean the thread from all glue.

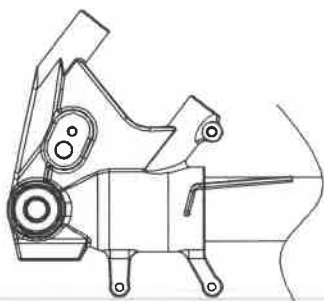


圖 5 Fig.5

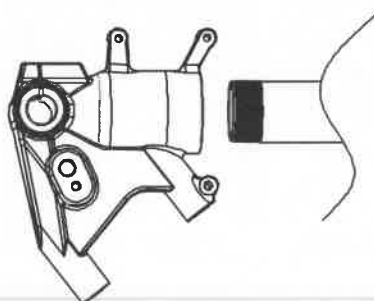


圖 6 Fig.6

#### 5、拆卸防塵封、卡簧、油封、自潤軸承 Remove seals/Circlip/Bearings

如圖 7、8、9、10、所示,將外管同主體管分開後,先用小號一字螺絲刀把防塵封撬掉,再將外管裡面的卡簧取下,再用大號一字螺絲刀撬出油封(如圖 9 墊布在外管受力部分,注意不要損傷外管),將油封取出。

注意:壞掉的油封必須丟掉!重新安裝油封前必須在油封唇口上塗抹潤滑油脂!

As shown in fig.7/8/9/10: After separating the outer tube and stanchion tube, use small screw driver to remove the dust seals and circlip from outer tubes. Use big screw driver to remove the oil seal (use a soft cloth on the outer tube to lever the seal as shown in fig.9), take out the old oil seals.

Warning: Broken oil seals will cause leakage! Apply a thin layer of grease on the surface of the oil seals when replace it.



圖 7 Fig.7

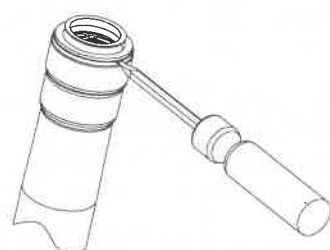


圖 8 Fig.8

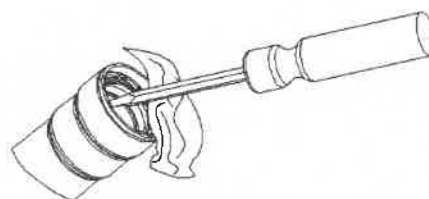


圖 9 Fig.9



圖 10 Fig.10

#### 6、安裝自潤軸承、油封、卡簧及防塵封 Mount the bearing/oil seal/Circlip/dust seal

油封拉出後,請仔細清洗外管,並檢查外管內的自潤軸承,若表面耐磨層有脫落或刮傷請予以更換。(圖 11)

When remove the oil seals, please clean the outer tube carefully, check the bearing on outer tube, if anti-abrasion coating is damaged, please considers to change a new one.(Fig. 11)

裝配時請用合適工具先將自潤軸承壓入,再放入墊片(圖 12)

Press the bearing first and then washer.

將新的油封塗上潤滑油脂後放入外管，用工具把油封壓平,注意油封不要裝反，中空的那面朝裡面。(圖 13)

Put the new oil seal with grease in outer tube, make sure the empty side downward.(Fig. 13)

再將卡簧放入溝槽，最後把新的防塵封套在外管上輕輕壓入，新的防塵封裝配完畢後，須在唇口塗抹一層潤滑油脂(圖 14)。

Mount the circlip in groove, and mount new dust seal in outer tube, after assembling, please apply a thin layer of grease on the surface.(Fig.14)



圖 11 Fig.11



圖 12 Fig.12



圖 13 Fig.13



圖 14 Fig.14

#### 8、安裝外管及主體管 Install the outer and stanchion tube

將拆開後的主體管牙紋清理干淨，在主體管螺紋部位用專用的套筒或膠帶包住，慢慢地穿過外管油封,注意不可刮傷外管內壁!(如圖 15)

Clean the thread on stanchion tube, use special tool or tape cover the thread, and slide the stanchion tube over the outer tube carefully, do not hurt the oil seal and inner wall of outer tube.(Fig.15)

將前減底部的下腳清理干淨後，用軟夾夾住

Clean the wheel clamp, and clamp with soft jaw.

在主體管牙紋部位塗上厭氧膠水後同下腳連接

Apply Loctite 569 on the threads and mount the stanchion tube with wheel clamp.

用專用工具將主體管與下腳鎖緊，扭力須達到 25N.m,(如圖 16)

Tighten the stanchion tube with wheel clamp, the torque is 25N.m.(Fig.16)

用 2.5mm 的內六角扳手把緊固螺絲鎖緊.(如圖 17)

Tighten the fix screw with 2.5mm hex wrench.(Fig.17)

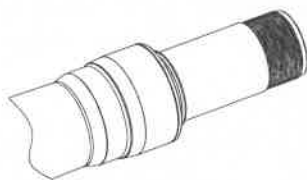


圖 15



圖

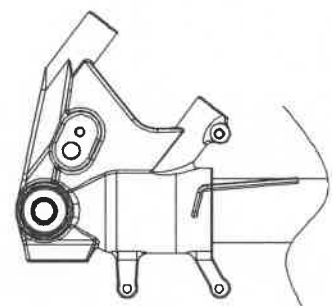


圖 17

### 9、安裝彈簧及調整座 Mount spring and top cap

將外管推到底部，拉出活塞桿，將對鎖螺母轉入活塞桿，放入前減彈簧，再用 16mm 扳手插入對鎖螺母扁位用手順時針把彈簧轉入管內，把調整座鎖入軸心后(軸心螺紋需點些需缺氧膠)并檢查段數后，將專用工具或 26mm 開口扳手放在調整座頂部與 16mm 開口扳手完成對鎖，扭力為 15N.m(如圖 18)

Push down the outer tube, pull up the shaft, use a 16mm wrench

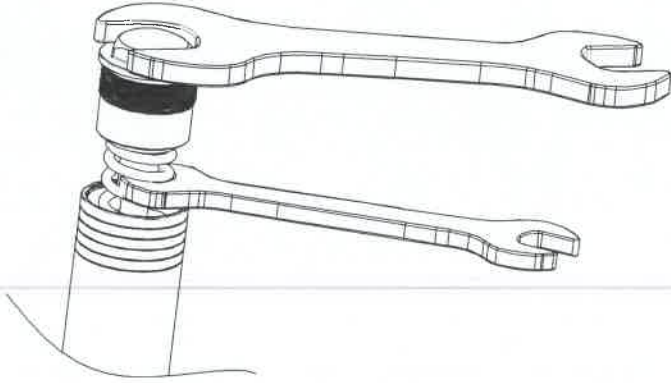


圖 18

### 10、注油 Fill in the oil

用有刻度的量杯倒入 FASTACE 減震器專用潤滑油，從外管上端面處注入減震器內用軟夾夾住外管，用專用扳手將調整座同外管鎖緊，扭力為 10N.m (如圖 19、20)

Use a measuring cup to measure the quantity of front fork oil(5w), fill the tube with front fork oil(5w), mount outer tube with soft jaw, and use wrench to lock top cap with outer tube. The torque is 10N.m.



圖 19

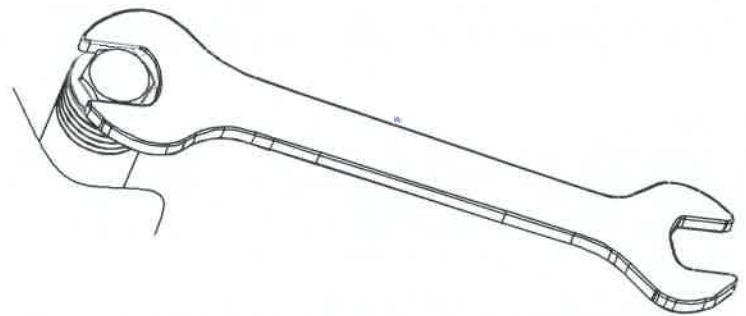


圖 20

兩支前叉裝配完畢，先用力壓幾下看是否順暢，再按先前拆卸相反的順序裝回摩托車。注意聯板螺絲力矩及下腳開檔寬度。

After assembling, please press it up and down several times to check if it is working well. Mount back your front fork on motorcycle. The torque of lower triple clamp should not exceed 12-15N.m..