

1. GENERAL INFORMATION

1.1 Scope of this leaflet

Congratulations on your purchase of a Sturmey-Archer internal gear hub. For the best performance, please follow instructions in this leaflet. Please contact your dealer if any problems are experienced with these products.

⚠ Riding the gear hub out of the adjustment may cause damage to the internal parts and possible malfunction!

This leaflet refers to the following 5-speed gear hub:

⊙ Gear Hubs with reverse gear: QS-RC5

1.2 Lubrication

No routine lubrication is required. During a major service, the hub greases should be replenished or replaced especially for transmission parts of internal hub. Please contact your Sturmey-Archer dealer who is equipped to carry this out.

1.3 Gear Changing

Continue pedaling, but ease pressure on the pedals and select the gear required. If the bicycle is stationary simply select gear required.

1.4 Gear Ratio

1 st . Gear	0.625
2 nd . Gear	0.75
3 rd . Gear	1.0
4 th . Gear	1.33
5 th . Gear	1.6

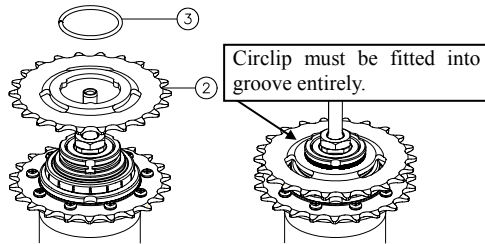
1.5 reverse gear Operation

When the vehicle is stationary, continue pedaling backwards and the vehicle will go in reverse. Reserve gear ratio is 0.75 or 0.625 in each gear. When in 4th and 5th reverse gear, the "clicking" sound is normal. **⚠ DO NOT back pedal suddenly when driving forwards or internal parts may be damaged.**

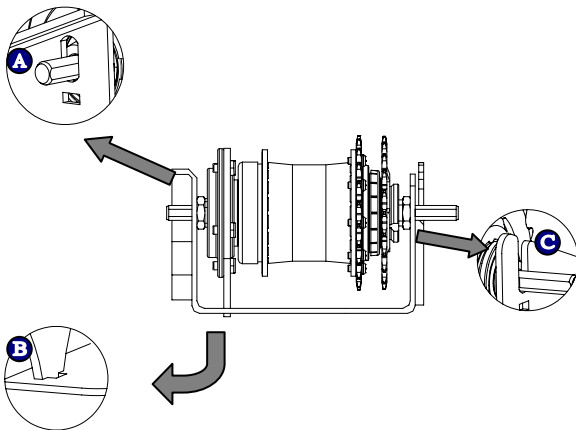
2. INSTALLATION

2.1 QS-RC5

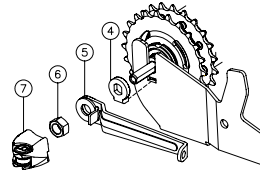
1. Fit the sprocket (2) - circlip (3) onto the driver.



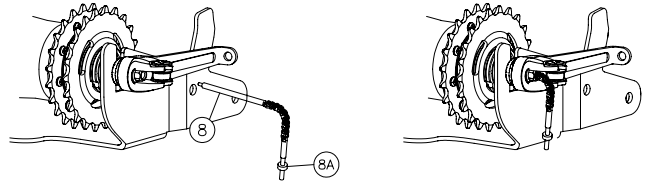
2. Put the gear hub axle into the frame. Place the drive chain around the sprocket (2) and place driven chain around the sprocket attached on the hub shell.
3. Snap the left side of the axle into the oval hole (figure A) of the frame. Then fix the reserve gear clutch holder in the hole of frame base (figure B), put the right side of the axle into (C) in the same direction as it.



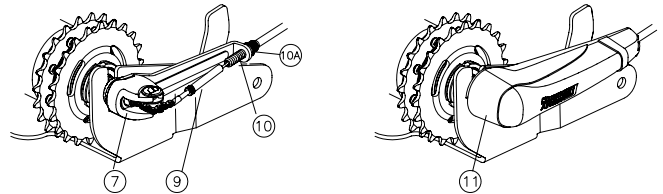
4. Locate the lockwasher (4), fulcrum lever (5), and nut (6). **Do not tighten nuts at this point.** Tension the chain and ensure the fulcrum lever (5) is parallel with the bracket.
5. Tighten both axle nuts to **28Nm**. Fit the gear selector guide (7).



6. Fit the indicator rod (8) into the axle and screw it finger tight. Put the indicator cover (11) on if necessary, but not snap at this point.

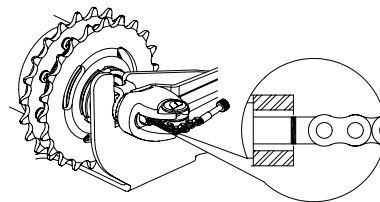


7. Ensure components are fitted to the right side of axle. Unscrew the indicator by up to half a turn if necessary to ensure easy fitment over the guide unit. Connect the indicator (9) to the cable connector (8).



3. GEAR ADJUSTMENT

1. Move the indicator cover (11) for easy gear adjustment.
2. Make sure that no more than **2.5mm** of axle protrudes from the axle hex nut.



3. Select 2nd gear and turn the pedal crank forward to ensure the gear is engaged. Turn the cable adjuster (10) or cable connector (9) until the coloured mark of the indicator rod is level with the end of the axle, as show in diagram.
4. Tighten the cable-adjusting locknut (10-A) and indicator locknut (8A) to lock in adjustment.
5. Select 5th gear position, rotate the pedal crank, change back to 2nd gear and check adjustment. Retry the stages description above when the gear changing is not correct.
6. If there is an indicator cover (11), fit it firmly onto the gear selector guide and fulcrum lever.