



SERVICE INSTRUCTIONS

SI-3S30A

SB-3S30 BL-IM32 Bell Crank III

Revo-shift Lever
Brake Lever
Bell Crank

Before use, read these instructions carefully, and follow them for correct use.

SHIMANO® NEXUS

INTER-3

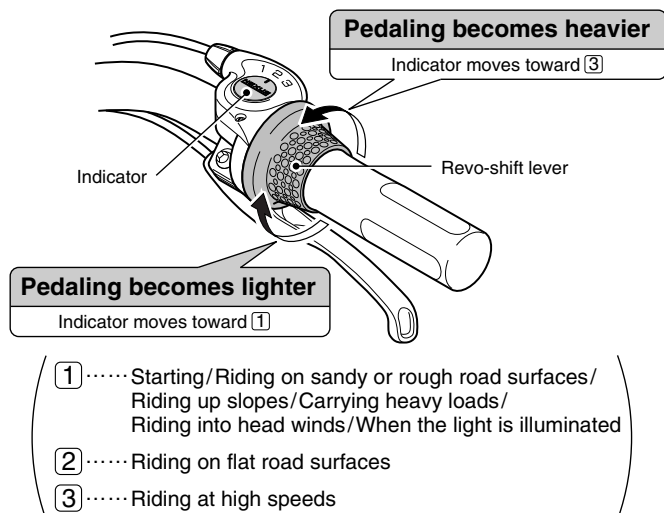
Be sure to read these service instructions in conjunction with the service instructions for the Inter-3 hub before use.

! CAUTION

- Be sure to shift the lever one gear at a time, and reduce the force being applied to the pedals during shifting. If you try to force operation of the shifting lever while the pedals are being turned strongly, your feet may come off the pedals and the bicycle may topple over, which could result in serious injury.
- Never place your foot on the bell crank. Doing so may cause problems with gear shifting.

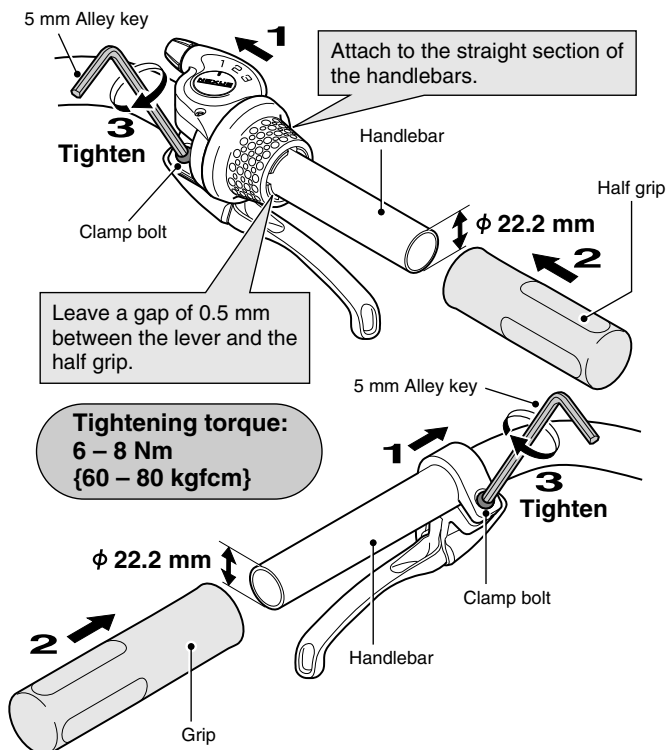
Revo-shift lever operation

Turn the Revo-shift lever to shift to each of the three gears.



Installation of the lever

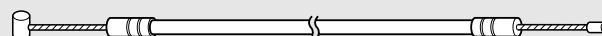
Install the lever as shown in the illustration.



Installation of the shifting cable

Shifting cables with either one inner cable drum or two inner cable drums can be used.

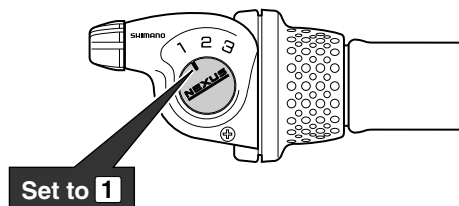
• Cable with two inner cable drums



• Cable with one inner cable drum

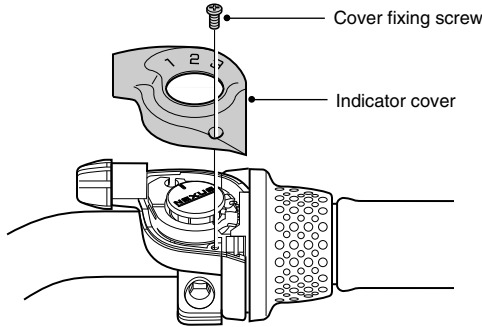


1. Set the Revo-shift lever to ①.



■ Revo-shift lever side

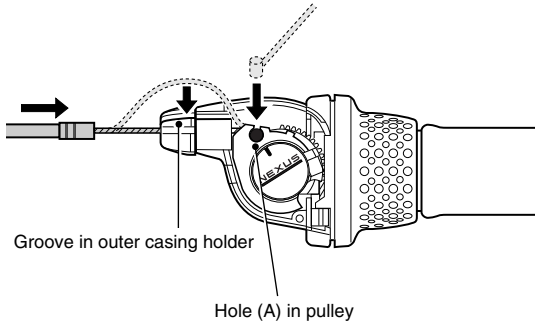
2. Loosen the cover fixing screw, and then remove the indicator cover.



3. Set the inner cable onto the pulley.

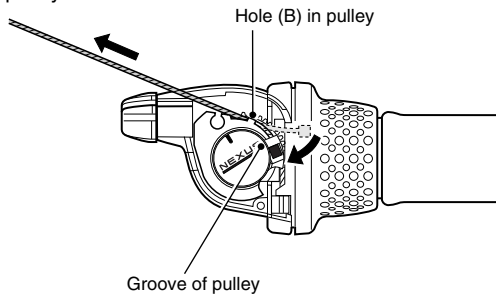
For cable with two inner cable drums

Hook the inner cable drum into the hole (A) in the pulley, and then pass the inner cable along the groove of the outer casing holder. After this, insert the outer casing into the outer casing holder.

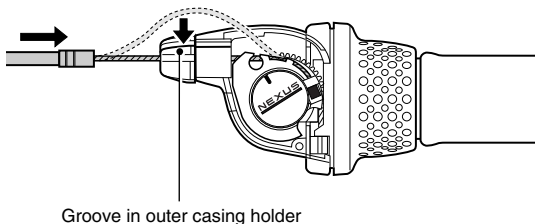


For cable with one inner cable drum

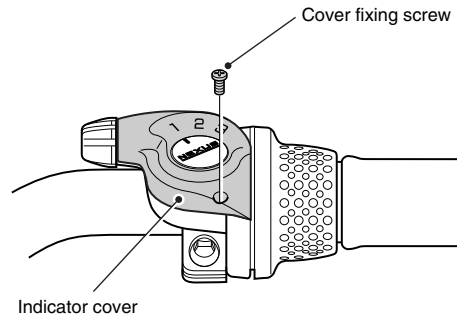
- 1) Pass the inner cable through hole (B) in the pulley, and then pull the inner cable out and set the drum into the groove of the pulley.



- 2) Insert the inner cable into the groove of the outer casing holder, and then insert the outer casing into the outer casing holder.

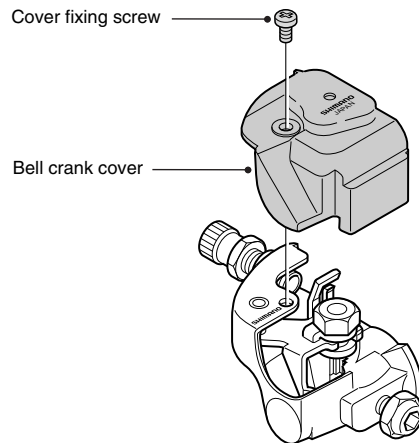


4. Replace the indicator cover and tighten the cover fixing screw.



■ Bell crank III side

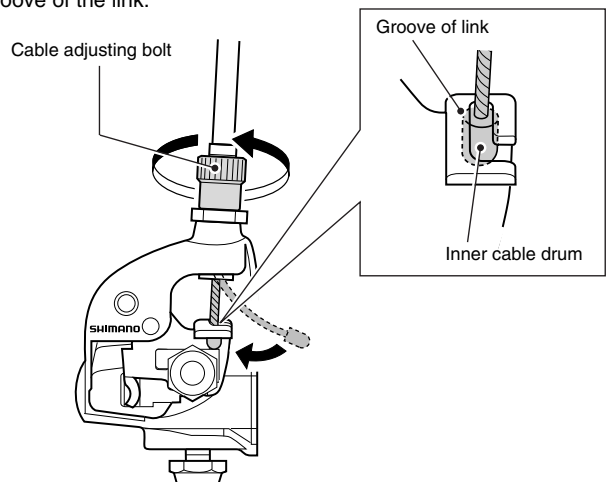
5. Loosen the cover fixing screw, and then remove the bell crank cover.



6. Set the inner cable into the link of the main bell crank unit.

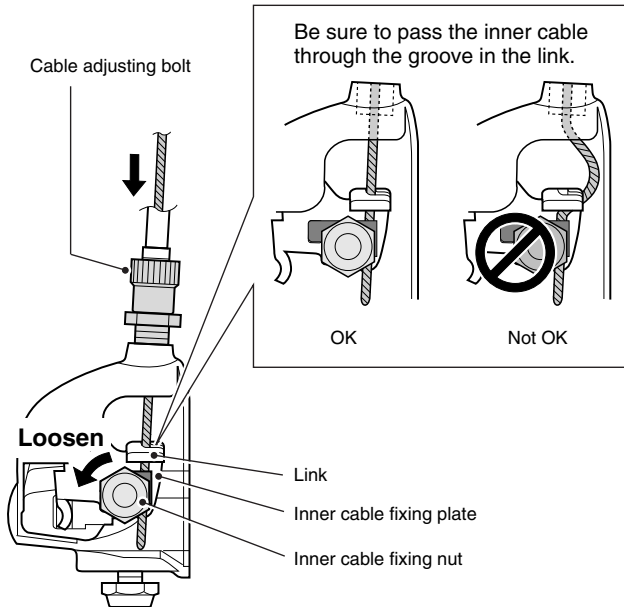
For cable with two inner cable drums

Tighten the cable adjusting bolt, pass the inner cable through the cable adjusting bolt, and then hook the inner cable drum into the groove of the link.

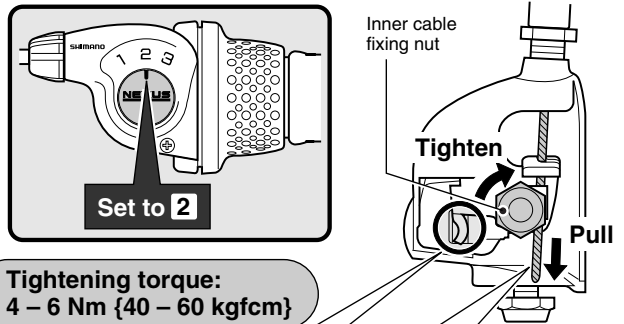


For cable with one inner cable drum

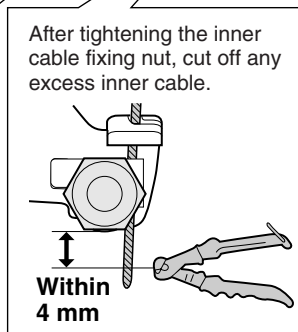
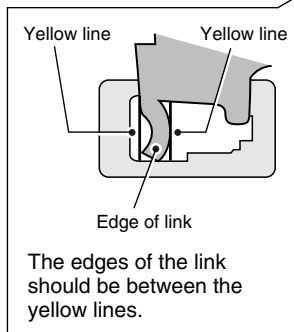
- 1) Loosen the inner cable fixing nut on the main bell crank unit. Next, pass the inner cable from the cable adjusting bolt along the groove in the link and then in between the link and the inner cable fixing plate.



- 2) Set the Revo-shift lever to **2**. Next, pull the inner cable so that the edges of the link on the main bell crank unit are between the two yellow lines on the window, and then tighten the inner cable fixing nut at that position.



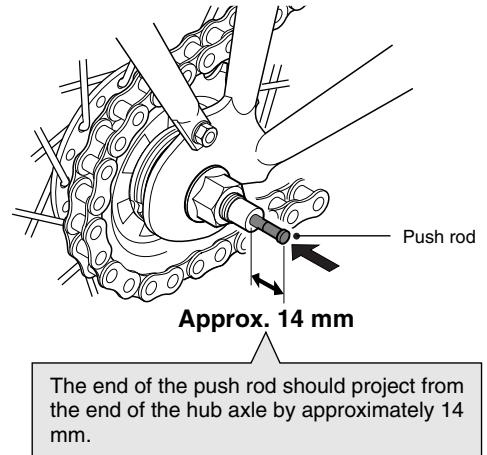
Tightening torque:
4 – 6 Nm {40 – 60 kgfcm}



7. Replace the bell crank cover and tighten the cover fixing screw.

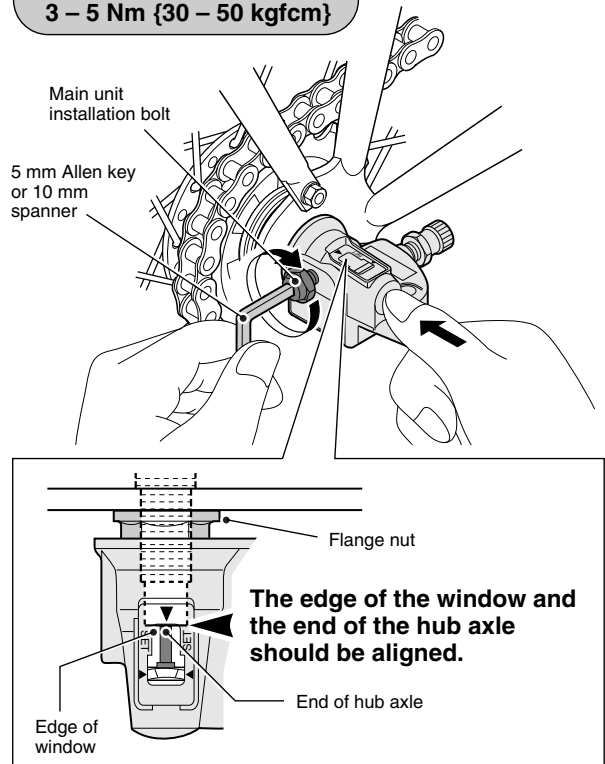
Installation of bell crank III

1. Insert the push rod into the hub axle.



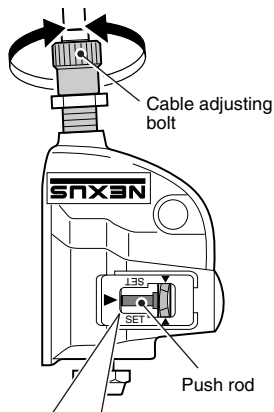
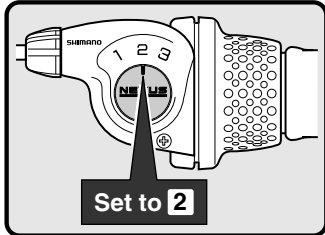
2. While pushing the main bell crank unit onto the hub axle, align the serrations inside the main bell crank unit with the flange nut, and then push the main bell crank unit on until it touches the end of the hub axle. In this position, tighten the main unit installation bolt onto the hub axle.

Tightening torque:
3 – 5 Nm {30 – 50 kgfcm}

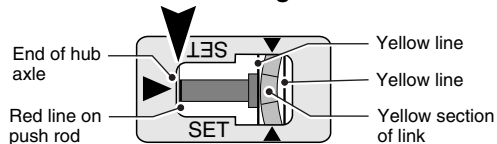


Adjusting bell crank III

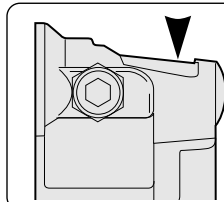
1. Set the Revo-shift lever to **2**. Next, turn the cable adjusting bolt until the red line on the push rod is aligned with the end of the hub axle.



The red line on the push rod and the end of the hub axle should be aligned.



If the red line on the push rod is not visible, adjust so that the yellow section of the link is between the two yellow lines on the window.

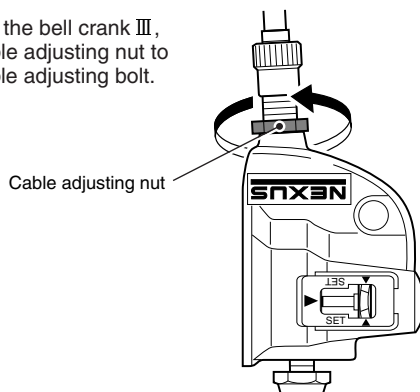


Note:
Look at the two yellow lines from directly above during adjustment.

2. While turning the crank arm, move the Revo-shift lever from **3** to **1** and then from **1** back to **3** two or three times to check the gear shifting. Set the Revo-shift lever back to **2** and check that the red line on the push rod is aligned with the end of the hub axle.

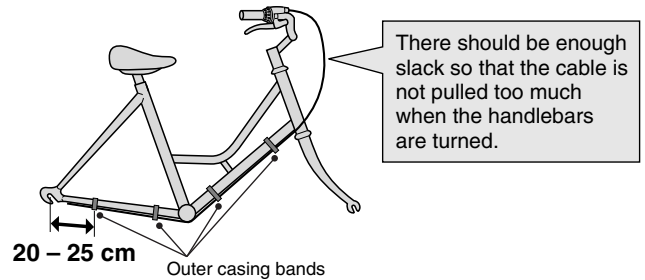
If they are not aligned, turn the cable adjusting bolt to make fine adjustments.

3. After adjusting the bell crank III, tighten the cable adjusting nut to secure the cable adjusting bolt.



Securing the shifting cable to the frame

Secure the cable to the frame with the outer casing bands.



These service instructions explain how to use and maintain the Shimano bicycle parts which have been used on your new bicycle. For any questions regarding your bicycle or other matters which are not related to Shimano parts, please contact the place of purchase or the bicycle manufacturer.

Please note: Specifications are subject to change for improvement without notice. (English)

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