



General Safety Information

⚠ WARNING

- To avoid serious injuries:
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause serious injury to the rider.
We strongly recommend only using genuine Shimano replacement parts.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

⚠ CAUTION

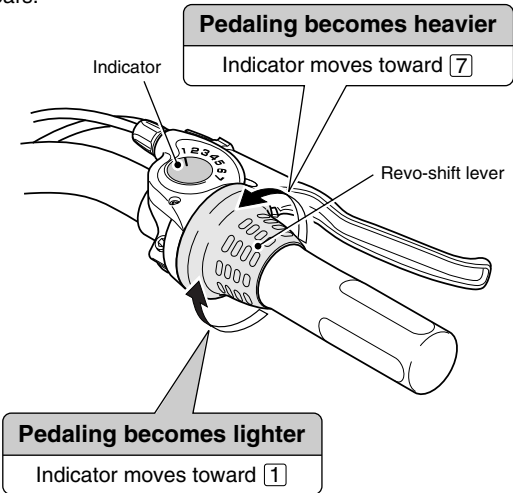
- To avoid serious injuries:
- Be sure to shift the lever one gear at a time, and reduce the force being applied to the pedals during shifting. If you try to force operation of the shifting lever while the pedals are being turned strongly, your feet may come off the pedals and the bicycle may topple over, which could result in serious injury.

NOTE:

- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.

Revo-shift lever operation

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



SI-7S10C

SL-7S10	Revo-shift Lever
CJ-NX10	Cassette Joint

Technical Service Instructions

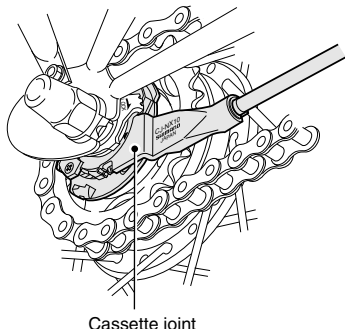
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INTER•S

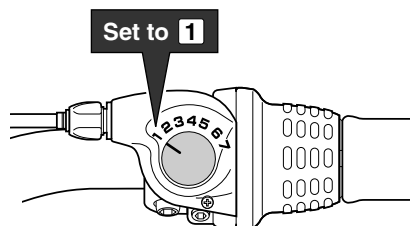
Be sure to read these service instructions in conjunction with the service instructions for the Inter-7 hub before use.

Disconnecting the shifting cable when removing the rear wheel from the frame

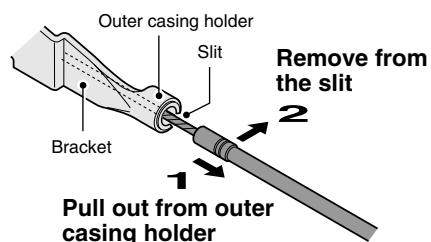
Disconnect the cable from the cassette joint when removing the rear wheel from the frame.



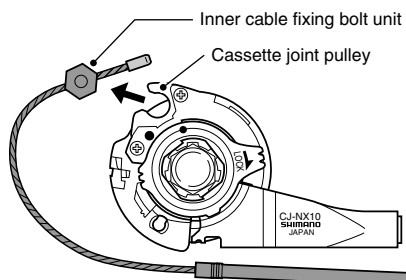
1. Set the Revo-shift lever to **1**.



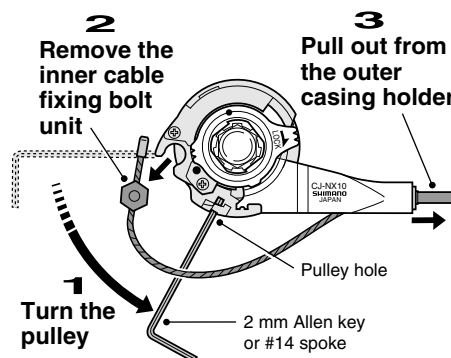
2. Pull the outer casing out from the outer casing holder of the cassette joint, and then remove the inner cable from the slit in the bracket.



3. Remove the inner cable fixing bolt unit from the cassette joint pulley.



If it is difficult to pull the outer casing out from the outer casing holder of the cassette joint, insert a 2 mm Allen key or a #14 spoke into the hole in the cassette joint pulley, and then turn the pulley to loosen the inner cable. Then remove the inner cable fixing bolt unit from the pulley first, and after this remove the outer casing from the outer casing holder.



Note:

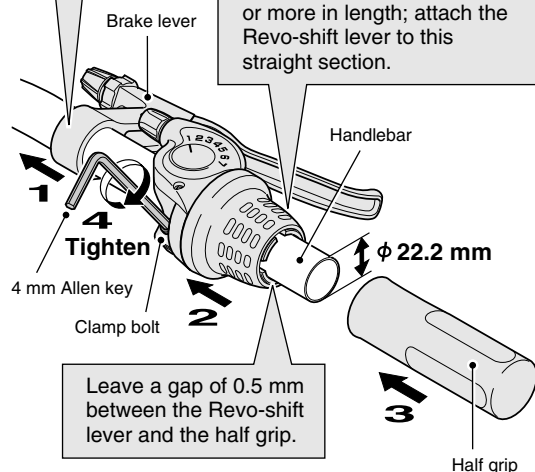
If reusing the cable, refer to steps 6 to 8 in "Installation of the shifting cable".

Installation of the lever

Install the lever as shown in the illustration.

Use a brake lever band with a thickness of 4.3 mm or less so that it does not obstruct the brake lever and the Revo-shift lever.

The straight section of the handlebar should be 168 mm or more in length; attach the Revo-shift lever to this straight section.

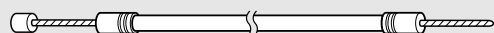


Tightening torque:
2.5 – 4 N·m {25 – 40 kgf·cm}

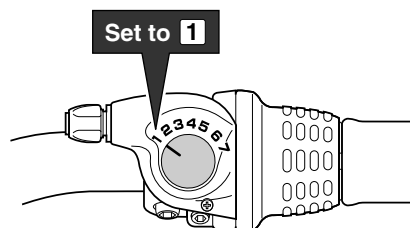
Installation of the shifting cable

Use a shifting cable with one inner cable drum.

Cable with one inner cable drum / SIS-SP (5 mm dia.)

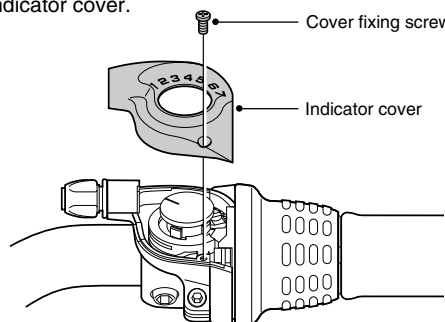


1. Set the Revo-shift lever to 1.

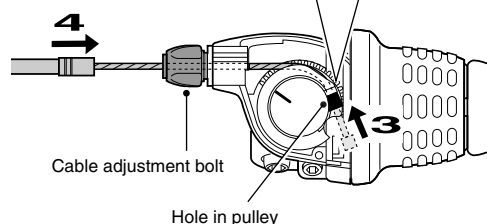
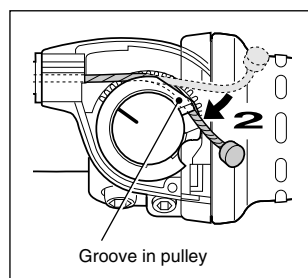
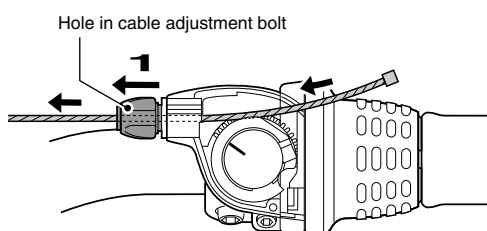


Revo-shift lever side

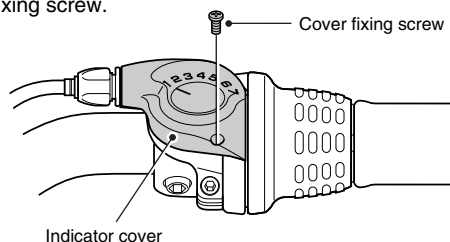
2. Loosen the cover fixing screw, and then remove the indicator cover.



3. Pass the inner cable through the hole in the cable adjustment bolt. Next, hook the inner cable into the groove of the pulley, and pull the inner cable so that the inner cable drum fits into the hole in the pulley. After this, insert the outer casing into the cable adjustment bolt.

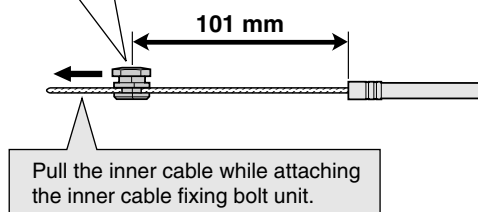
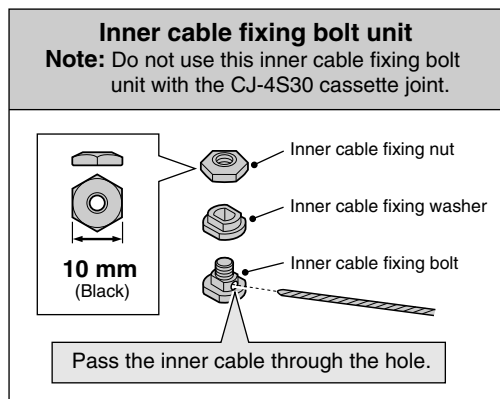


4. Replace the indicator cover and tighten the cover fixing screw.



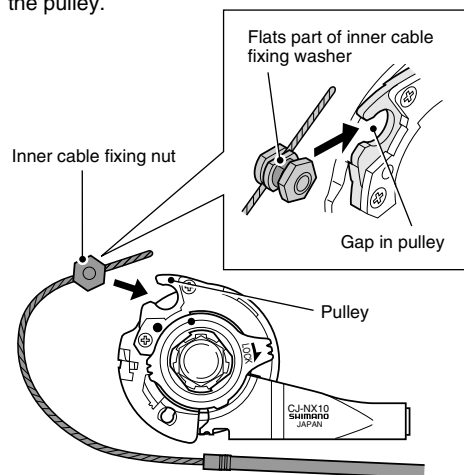
■ Cassette joint side

5. After checking that the end of the outer casing is sitting securely in the cable adjustment bolt of the Revo-shift lever, attach the inner cable fixing bolt unit to the inner cable.

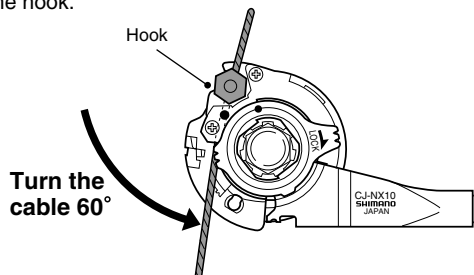


Tightening torque:
 4 – 6 N·m {40 – 60 kgf·cm}

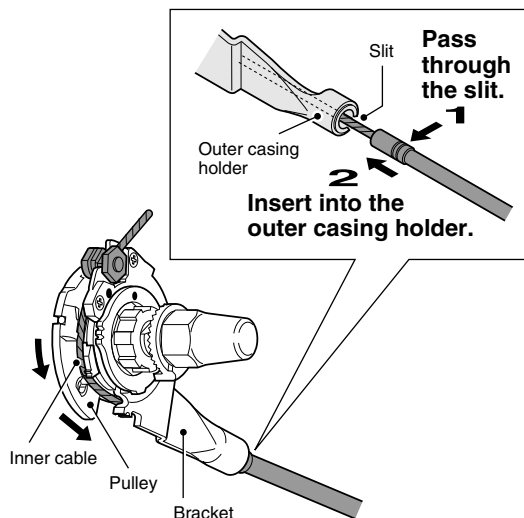
6. Bring the cable around to the cassette joint pulley, hold so that the inner cable fixing nut is facing the outside (toward the fork end), and then slide the flats part of the inner cable fixing washer into the gap in the pulley.



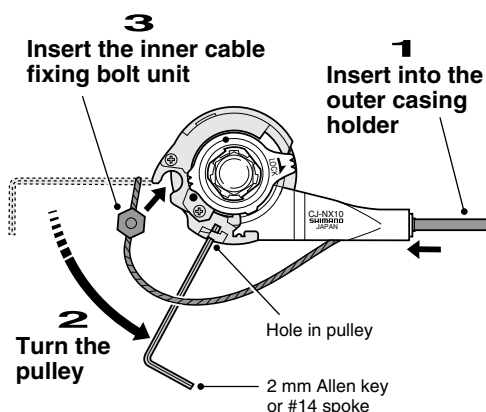
7. Turn the cable 60° counterclockwise and attach it to the hook.



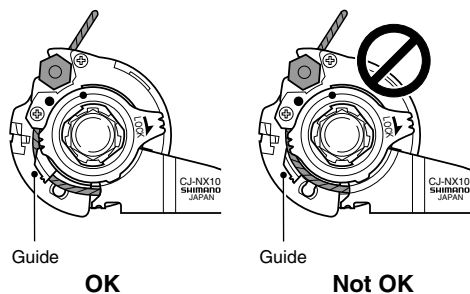
8. Attach the inner cable to the pulley as shown in the illustration, pass the inner cable through the slit in the cassette joint bracket, and then insert the end of the outer casing securely into the outer casing holder.



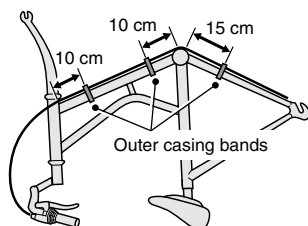
If first inserting the outer casing into the outer casing holder is easier, then first insert the outer casing into the outer casing holder, and then insert a 2 mm Allen key or a #14 spoke into the hole in the cassette joint pulley, and then turn the pulley so that the inner cable fixing bolt unit fits into the gap in the pulley.



Note:
 Check that the inner cable is correctly seated inside the pulley guide.

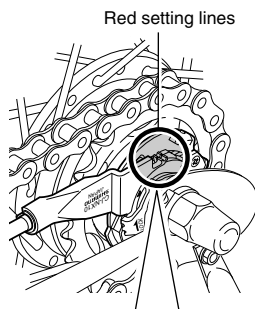
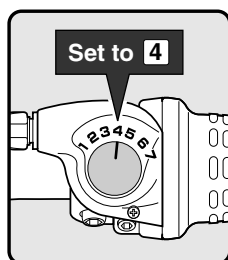


9. Secure the cable to the frame with the outer casing bands.



Adjusting the cassette joint

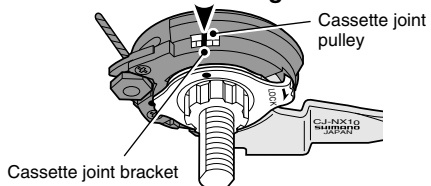
1. Set the Revo-shift lever to **4**.
Check to be sure that the red setting lines on the cassette joint bracket and pulley are aligned at this time.



The red setting lines on the cassette joint are located in two places. Use the one that is easiest to see.

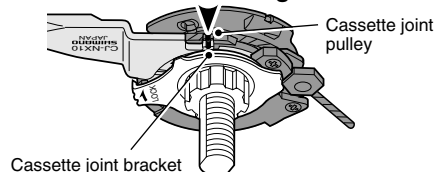
When bicycle is standing up

Should be straight

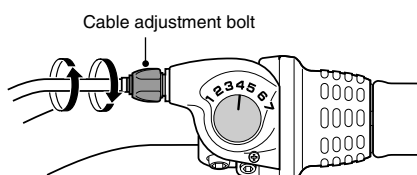


When bicycle is upside down

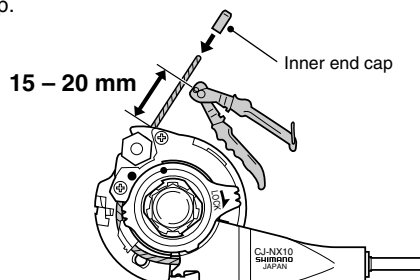
Should be straight



If the red setting lines are not aligned, turn the cable adjustment bolt of the Revo-shift lever to align the setting lines. After this, move the Revo-shift lever once more from **4** to **1** and then back to **4**, and then re-check to be sure that the red setting lines are aligned.



2. After adjusting the cassette joint, cut off the excess length of inner cable and then install the inner end cap.



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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