

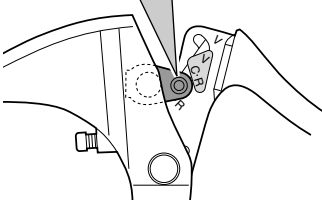
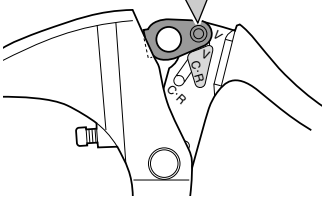


WARNING

- It is important to completely understand the operation of your bicycle's brake system. Improper use of your bicycle's brake system may result in a loss of control or an accident, which could lead to severe injury. Because each bicycle may handle differently, be sure to learn the proper braking technique (including brake lever pressure and bicycle control characteristics) and operation of your bicycle. This can be done by consulting your professional bicycle dealer and the bicycle's owners manual, and by practicing your riding and braking technique.
- The SB-7S45/BL-IM45 brake levers are equipped with a mode switching mechanism to make them compatible with cantilever brakes, roller brake and V-brakes with power modulator (BR-T400).

If the incorrect mode is selected it may cause either excessive or insufficient braking force to occur, which could result in dangerous accidents.

Be sure to select the mode in accordance with the instructions given in the table below.

Mode position	Applicable brake
<div>C/R position</div>  <p>The C indicates the mode position for compatibility with cantilever brakes.</p> <p>The R indicates the mode position for compatibility with roller brakes.</p>	<ul style="list-style-type: none">Cantilever brakesRoller brakes
<div>V position</div>  <p>The V indicates the mode position for compatibility with V-brakes with power modulator.</p>	<ul style="list-style-type: none">V-brakes with power modulator (BR-T400)

Use the SB-7S45/BL-IM45 brake levers with mode switching mechanism in the combinations given above.

SERVICE INSTRUCTIONS

SI-65R0A

SB-7S45
BL-IM45
CJ-7S40

Revo-shift Lever

Brake Lever

Cassette Joint

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

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

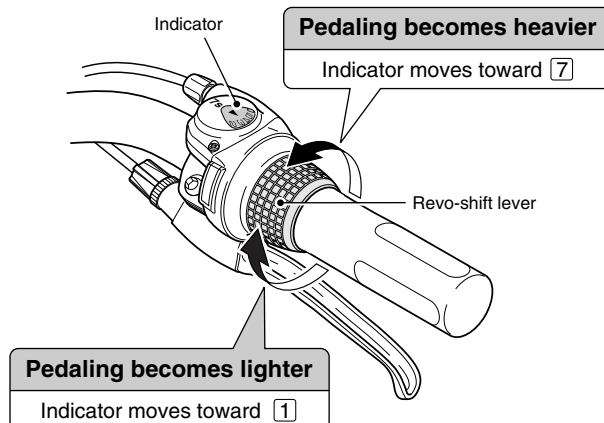


CAUTION

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.

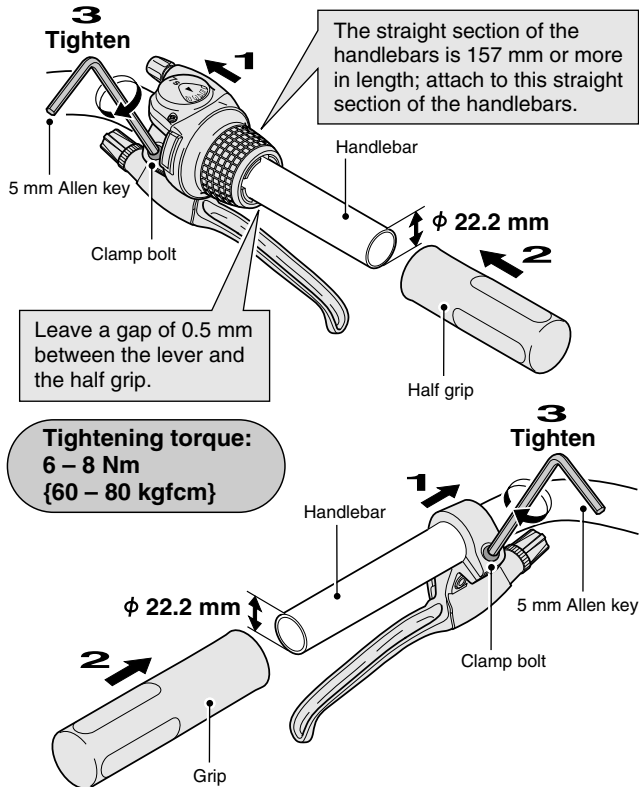
Revo-shift lever operation

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



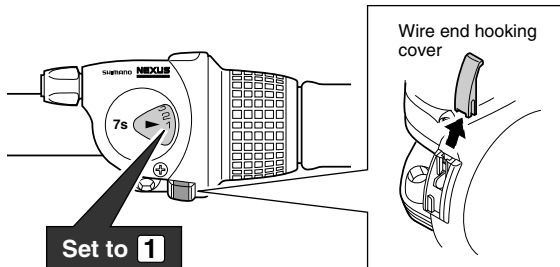
Installation of the lever

Install the lever as shown in the illustration.

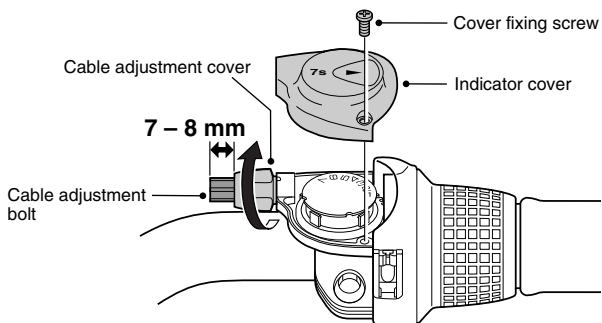


Installation of the shifting cable

1. Set the Revo-shift lever to **1**. Next, slide the wire end hooking cover of the Revo-shift lever as shown in the illustration to remove it.

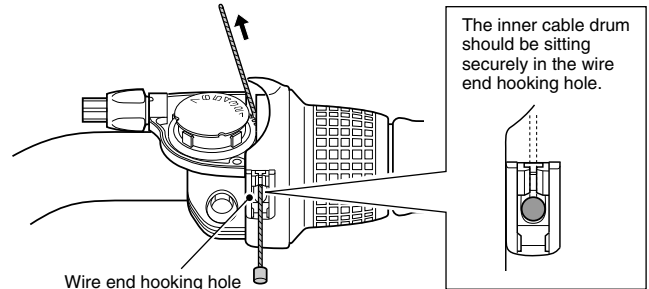


2. Turn the cable adjustment cover so that the cable adjustment bolt protrudes by approximately 7 – 8 mm. After this, loosen the cover fixing screw and then remove the indicator cover.

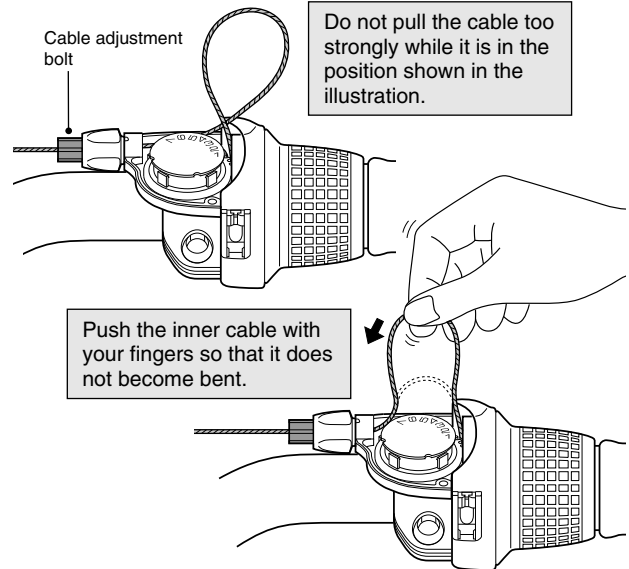


3. Pass the inner cable through the wire end hooking hole of the Revo-shift lever, and then pull the inner cable so that the drum at the end of the inner cable is sitting in the wire end hooking hole.

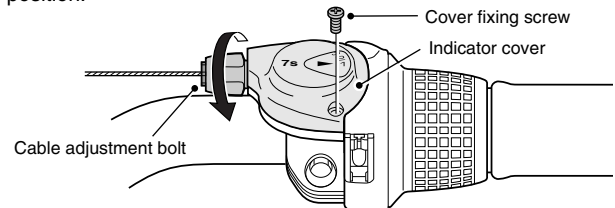
Note with regard to the inner cable end



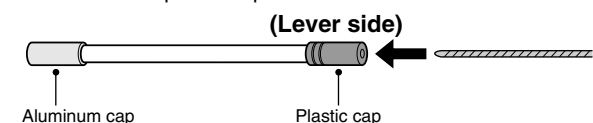
4. Pass the inner cable through the cable adjustment bolt. At this time, pull the inner cable while being careful not to make any bends in the cable.



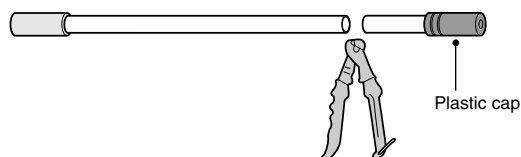
5. Install the indicator cover with the cover fixing screw, and then tighten the cable adjustment bolt until it is back at its original position.



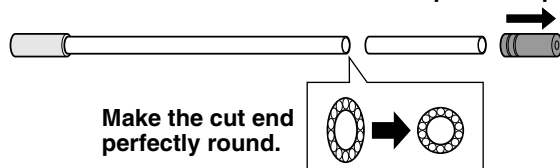
6. Pass the inner cable through the SIS-SP40 outer casing through the end with the plastic cap.



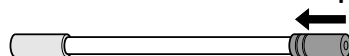
If cutting the outer casing, cut it near the end with the plastic cap while the cap is still attached. Then make the cut end perfectly round and attach the plastic cap.



Remove the plastic cap.



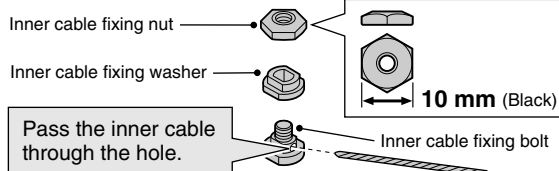
Attach the plastic cap.



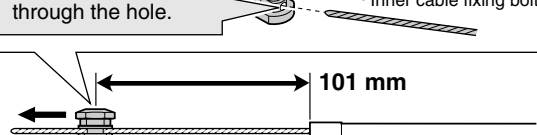
7. After checking that the end of the outer casing is sitting securely in the cable adjustment bolt of the Revo-shift lever, attach the inner cable fixing bolt unit to the inner cable.

Inner cable fixing bolt unit

Note: Do not use this inner cable fixing bolt unit with the CJ-4S30 cassette joint.



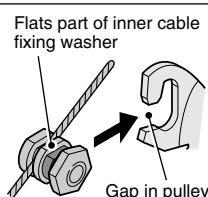
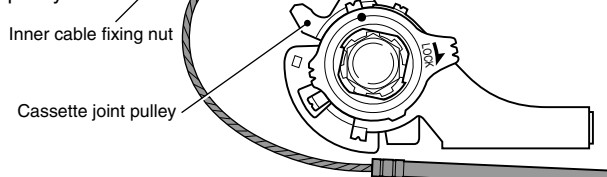
Pass the inner cable through the hole.



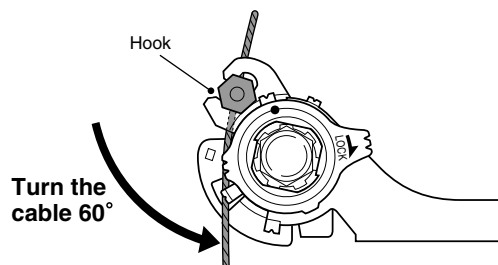
Pull the inner cable while attaching the inner cable fixing bolt unit.

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

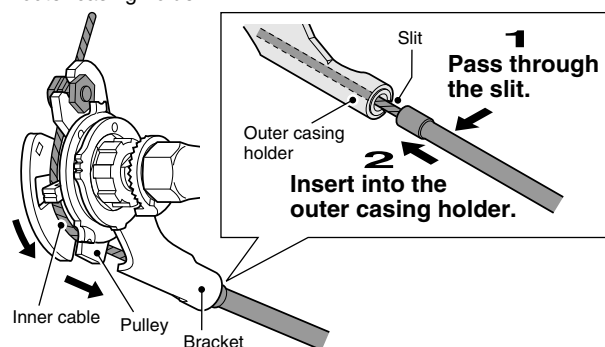
8. Bring the cable around to the cassette joint pulley, hold so that the inner cable fixing nut is facing to the outside (toward the fork end), and then slide the flats part of the inner cable fixing washer into the gap in the pulley.



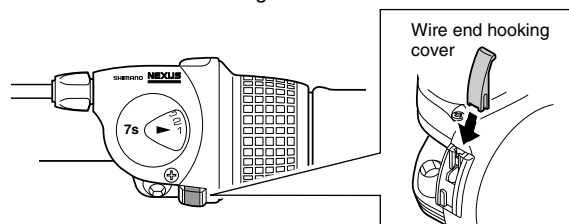
9. Turn the cable 60° counterclockwise and attach it to the hook.



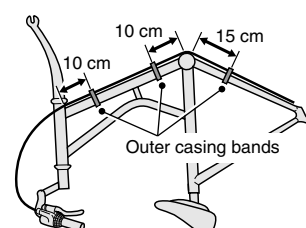
10. Attach the inner cable to the pulley as shown in the illustration, pass the inner cable through the slit in the cassette joint bracket, and then insert the end of the outer casing securely into the outer casing holder.



11. Install the wire end hooking cover to the Revo-shift lever.

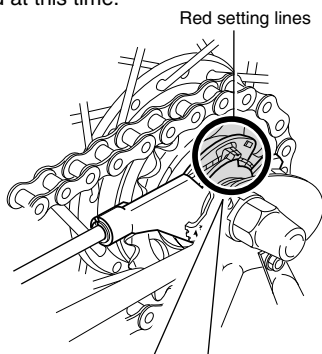
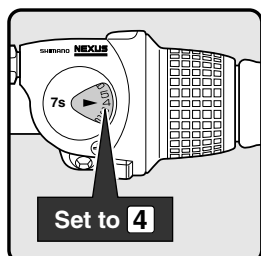


12. Secure the outer casing to the frame with the outer casing bands.



Adjusting the cassette joint

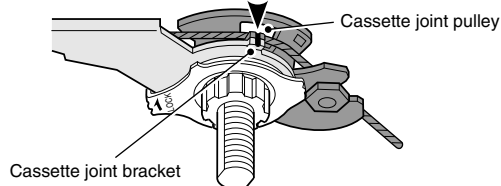
1. Set the Revo-shift lever to **4**.
Check to be sure that the red setting lines on the cassette joint bracket and pulley are aligned at this time.



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

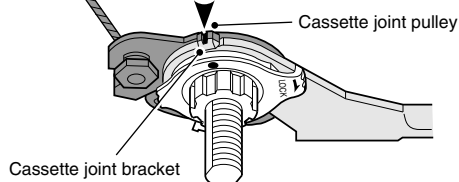
When bicycle is upside down

Should be straight

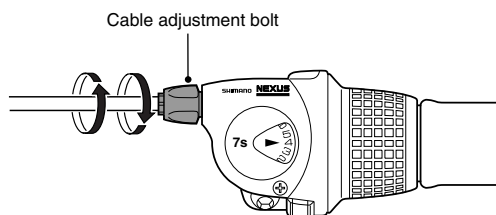


When bicycle is standing up

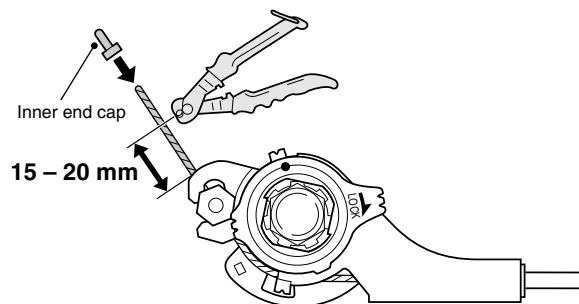
Should be straight



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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SHIMANO AMERICAN CORPORATION

One Holland Irvine CA 92618 U. S. A. Phone 949-951-5003

SHIMANO EUROPA

Industrieweg 24 NL-8071 CT Nunspeet, Holland Phone 31-3412-72222

SHIMANO INC.

3-77 Oimatsucho, Sakai, Osaka, Japan Phone 0722-23-3243

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