

SERVICE INSTRUCTIONS

SI-61S0C

ST-7S20
BL-TY21
CJ-7S40

Rapidfire Lever

Brake Lever

Cassette Joint

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

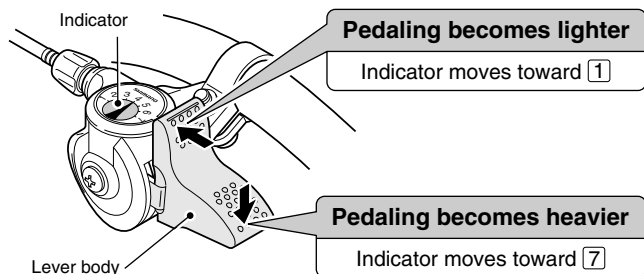
Be sure to read these service instructions in conjunction with the service instructions for the Inter-7 hub before use.

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.

Rapidfire lever operation

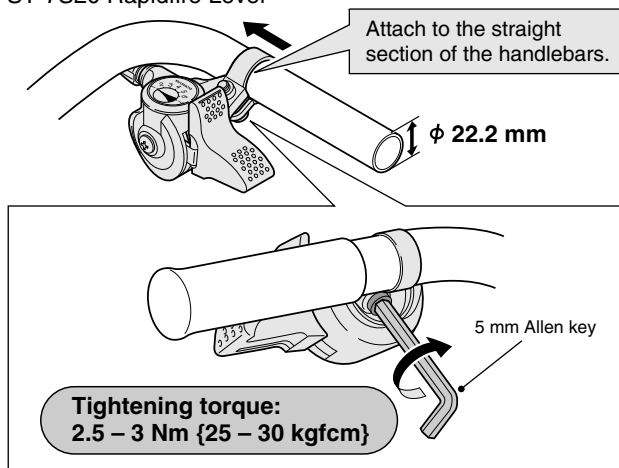
Push the top or bottom of the lever body to shift the gears.



Installation of the lever

Install the lever as shown in the illustration.

● ST-7S20 Rapidfire Lever



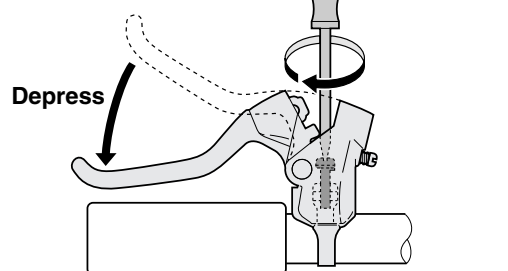
The installation angle can be adjusted to one of two positions to suit the shape of the handlebars. Angle adjustment is carried out by loosening the lever body fixing bolt.

Note:

- The clearance between the cable adjusting bolt and the handlebars should be 4 – 6 mm.
- The end of the lever operation section should not hit the grip.

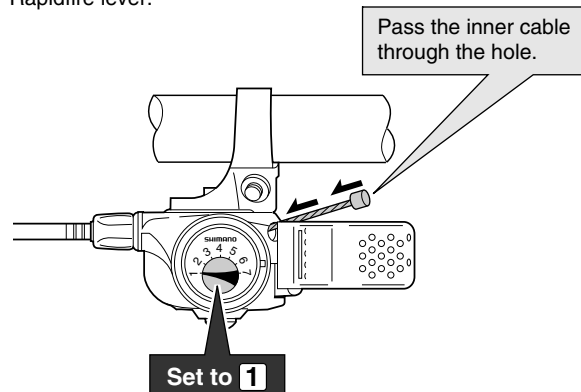
● BL-TY21 Brake Lever

Tightening torque:
2.5 – 3 Nm {25 – 30 kgfcm}



Installation of the shifting cable

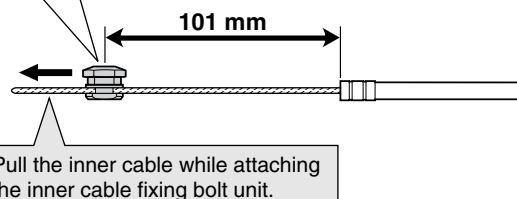
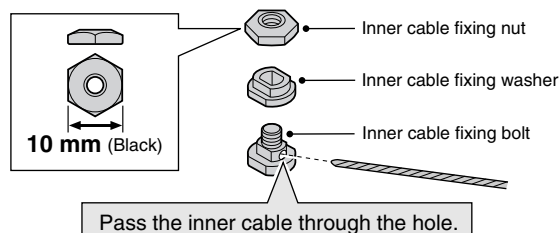
1. Set the Rapidfire lever to 1. Next, pass the inner cable through the hole at the rear of the Rapidfire lever.



2. After checking that the end of the outer casing is sitting securely in the cable adjusting bolt of the Rapidfire lever, attach the inner cable fixing bolt unit to the inner cable.

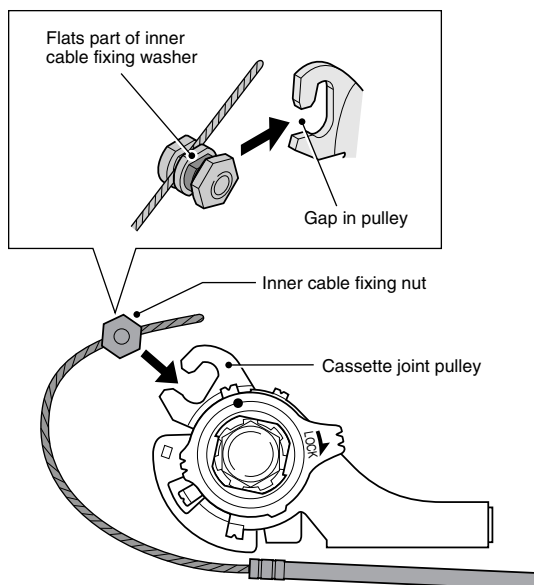
Inner cable fixing bolt unit

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

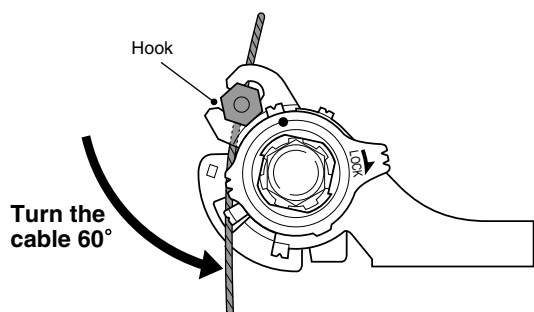


Tightening torque:
4 – 6 Nm {40 – 60 kgfcm}

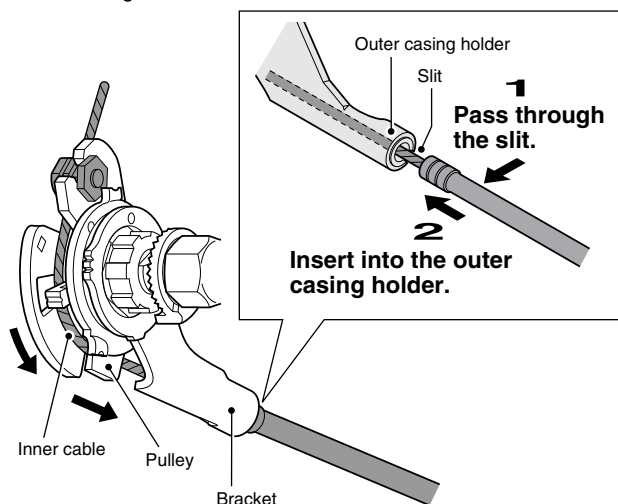
- Bring the cable around to the cassette joint pulley, hold so that the inner cable fixing nut is facing to the outside (toward the fork end), and then slide the flats part of the inner cable fixing washer into the gap in the pulley.



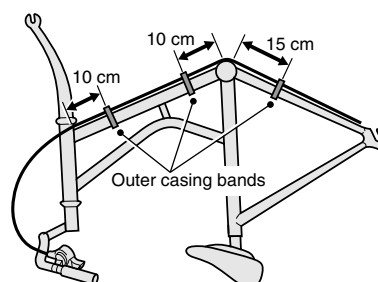
- Turn the cable 60° counterclockwise and attach it to the hook.



- 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.

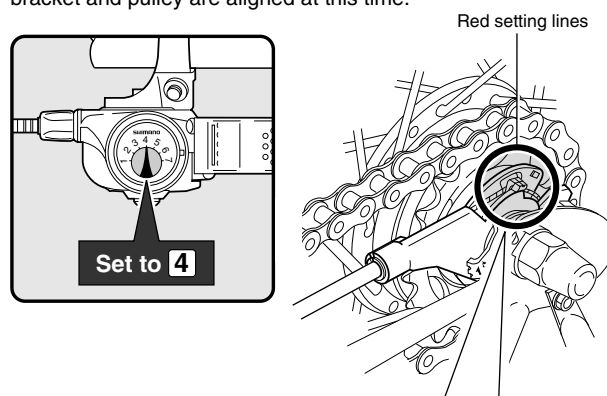


- Secure the outer casing to the frame with the outer casing bands.



Adjusting the cassette joint

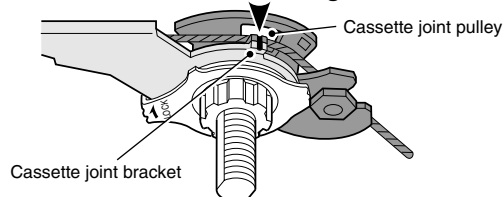
- Set the Rapidfire lever to **4**. Check to be sure that the red setting lines on the cassette joint bracket and pulley are aligned at this time.



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

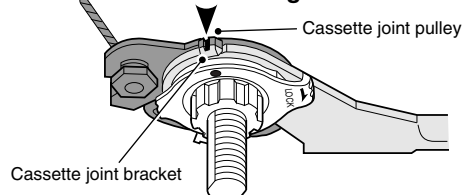
When bicycle is upside down

Should be straight

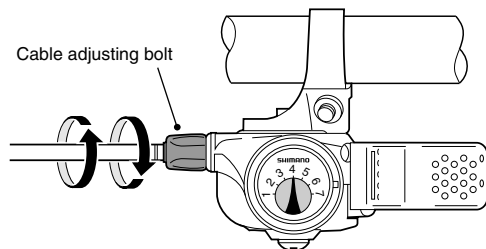


When bicycle is standing up

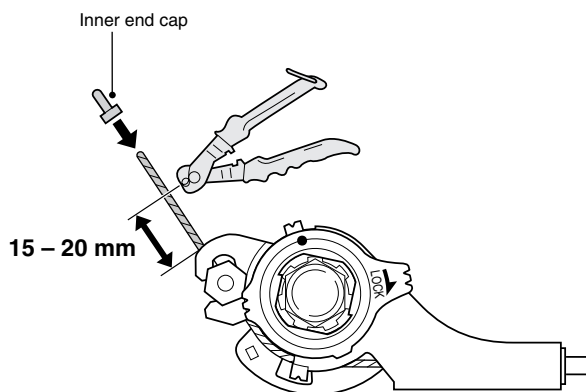
Should be straight



If the red setting lines are not aligned, turn the cable adjusting bolt of the Rapidfire lever to align the setting lines. After this, move the Rapidfire 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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