

SERVICE INSTRUCTIONS

ST-M095 ST-M075

Rapidfire Plus

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

Notes:

- Be sure to follow the recommendations below regarding combinations of components.
 - Shifting lever ST-M095/ST-M075/ST-M090/ST-M070/ST-M060/SL-M732/SL-MT62
 - Rear derailleur RD-M735/RD-M650/RD-M550
 - Freehub FH-M732/FH-M650/FH-M550
 - Cassette sprocket (7-speed) CS-HG90/CS-HG70
 - Chain CN-HG90/CN-HG70
 - Outer cable (shifting) Shimano SIS-SP sealed cable (black cap) (brake) Shimano SLR outer cable
- Because the wire efficiency is poor, the type of frame with inner cable incorporated cannot be used.
- ST-M095 and ST-M075 cannot be used in combination with the Dura-Ace rear derailleur.

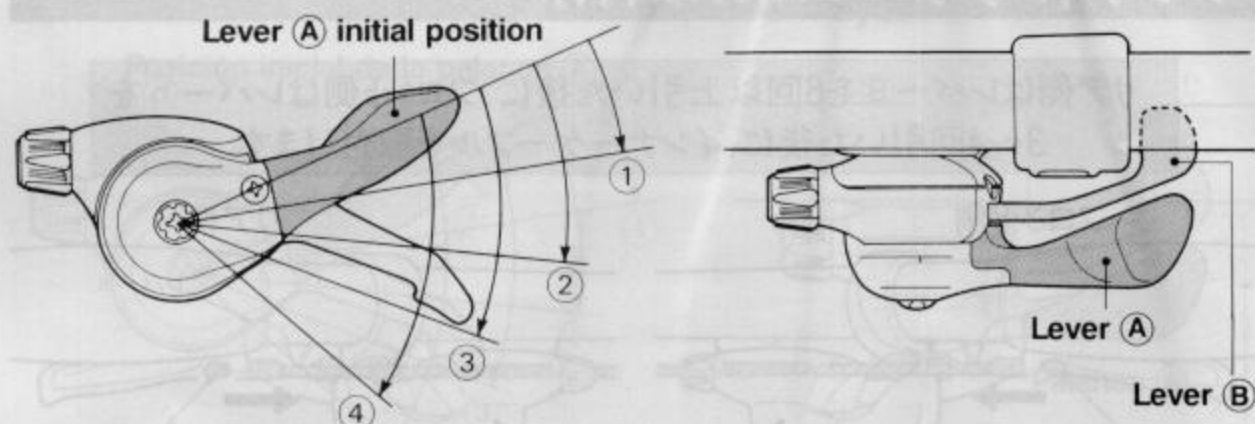
Caution:

Operation of the levers related to gear shifting should be made only when the front chainwheel is turning. Do not operate both right hand (rear) shift control levers (A) and (B) or both left hand (front) shift control levers (a) and (b) at the same time. Damage to the shift control may result.

Rear lever operation

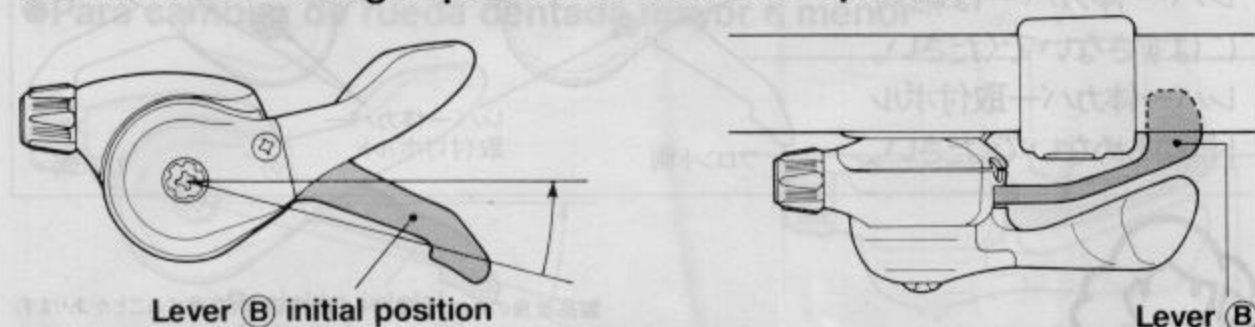
For both lever (A) and lever (B), the lever always returns to the initial position when it is released after shifting is finished.

•To shift from a small sprocket to a larger sprocket



To shift one gear step, press to the ① position; to shift two gear steps at one time, press to the ② position. A maximum four-step gear shift can be operated in this manner.

•To shift from a large sprocket to a smaller sprocket

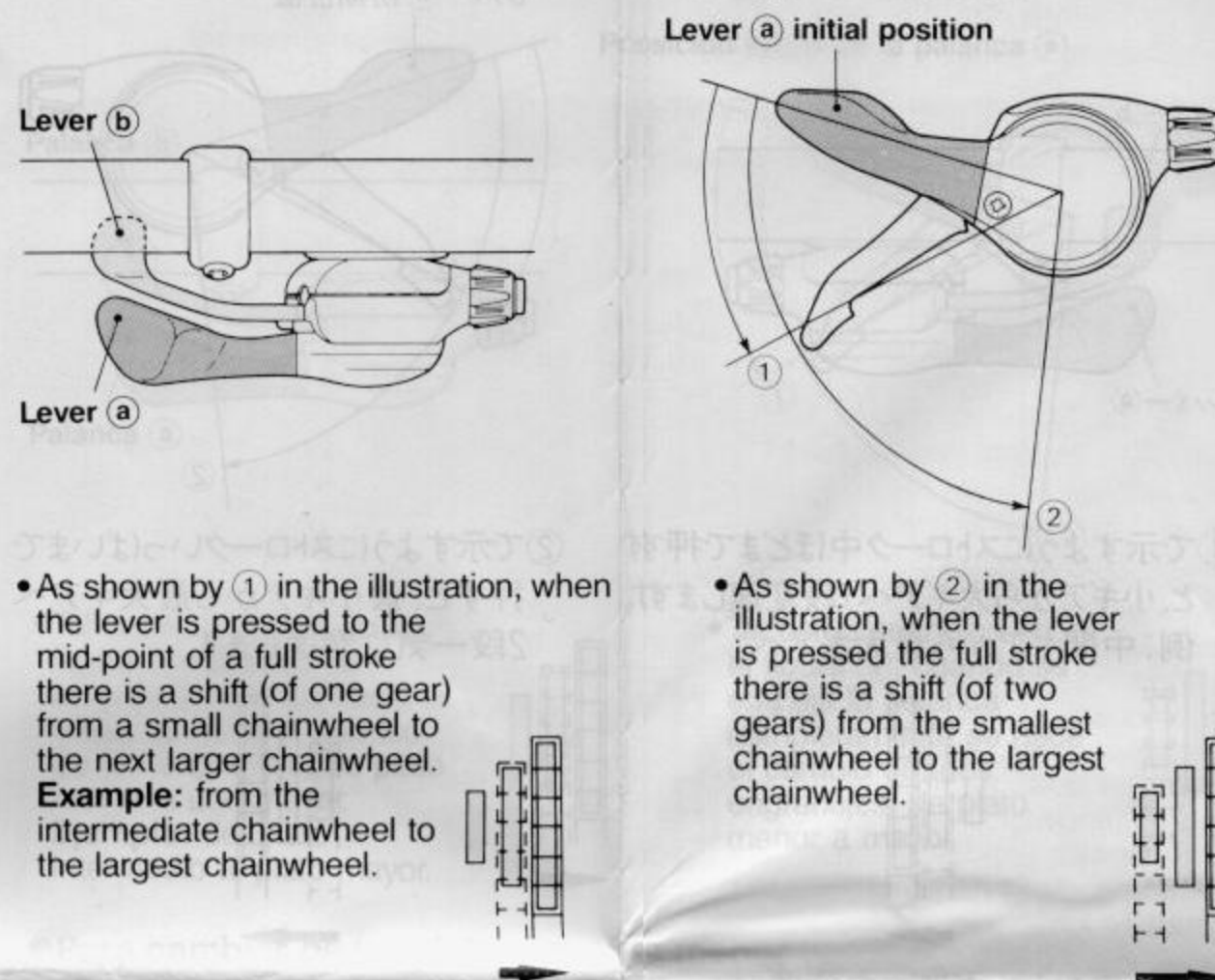


When lever (B) is pulled once and released, there is a one-step shift from a large gear to a smaller gear.

Front lever operation

Both lever (a) and lever (b), the lever always returns to the initial position when it is released after shifting

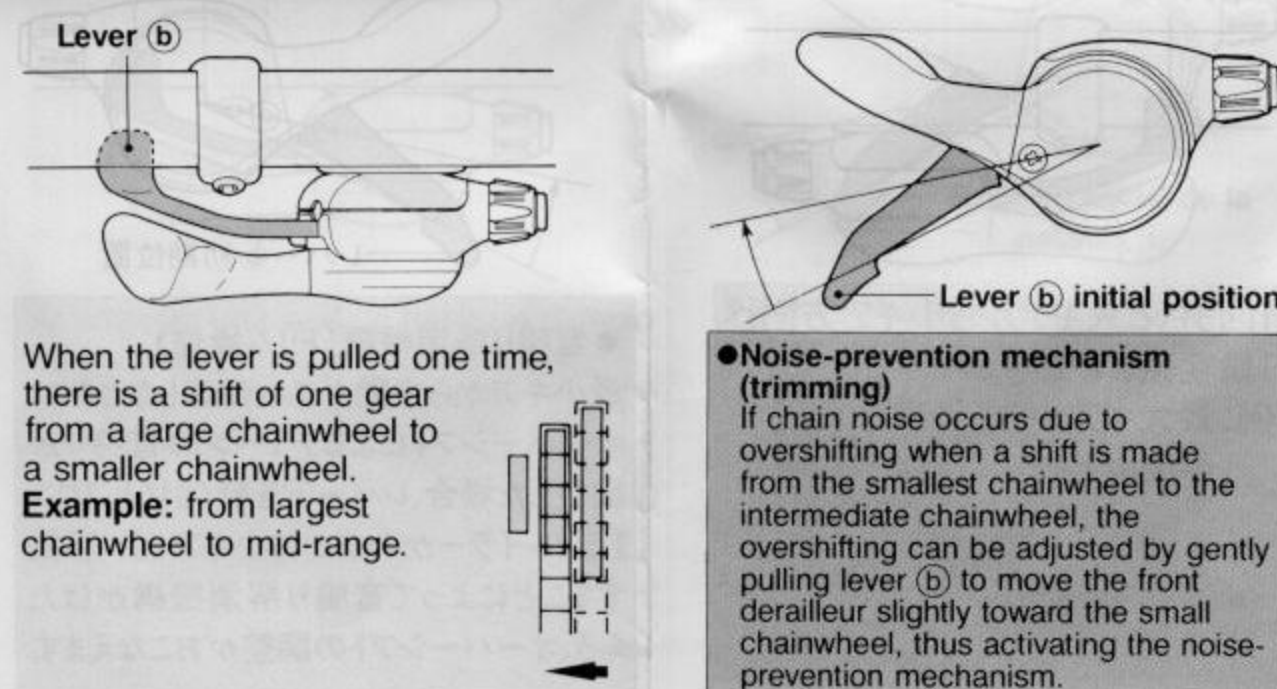
•To shift from a small chainwheel to a larger chainwheel



- As shown by ① in the illustration, when the lever is pressed to the mid-point of a full stroke there is a shift (of one gear) from a small chainwheel to the next larger chainwheel. **Example:** from the intermediate chainwheel to the largest chainwheel.

- As shown by ② in the illustration, when the lever is pressed the full stroke there is a shift (of two gears) from the smallest chainwheel to the largest chainwheel.

•To shift from a large chainwheel to a smaller chainwheel



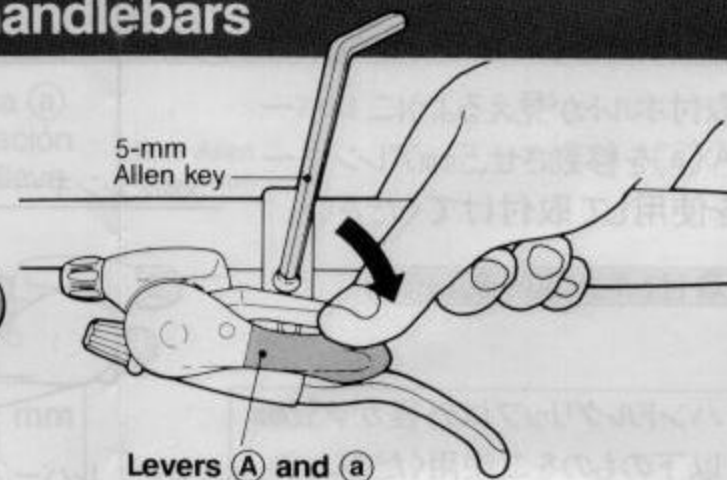
- **Noise-prevention mechanism (trimming)**
If chain noise occurs due to overshifting when a shift is made from the smallest chainwheel to the intermediate chainwheel, the overshifting can be adjusted by gently pulling lever (b) to move the front derailleur slightly toward the small chainwheel, thus activating the noise-prevention mechanism.

Installation to the handlebars

Move lever (A) and lever (a) so that the installation bolt can be seen, and then use a 5-mm Allen key to install.

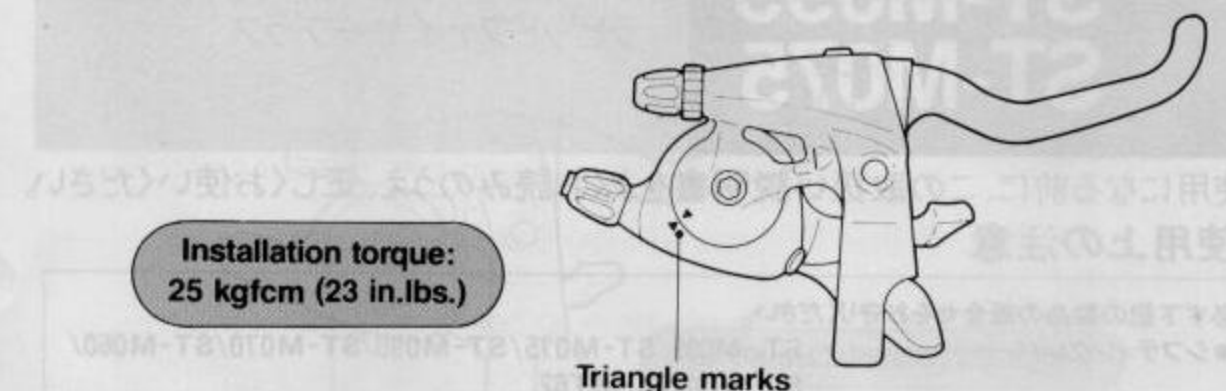
Installation torque:
60—80 kgfcm (50—70 in.lbs.)

Use handle grips of 32mm diameter or less.



Installation of shifting lever parts

Align the triangular marks on both the brake lever and the shifting parts and then install them. There is only one position for installation.

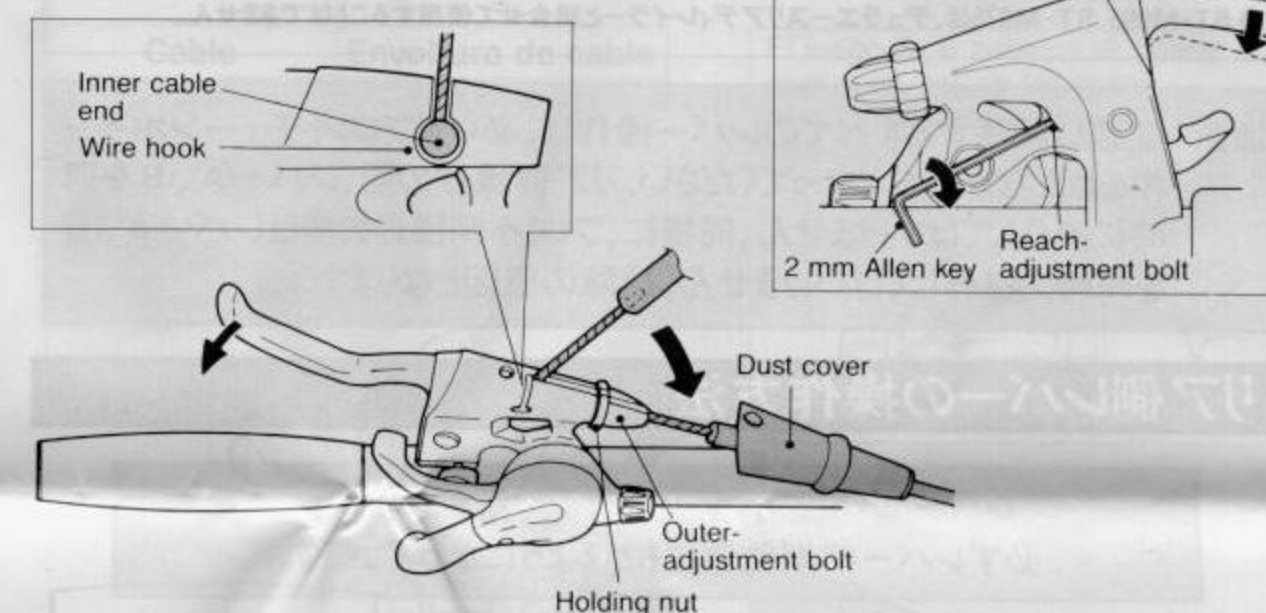


Installation torque:
25 kgfcm (23 in.lbs.)

Connection of the brake cable

Inner cable	Outer casing
Ø1.6 mm	Ø5 mm

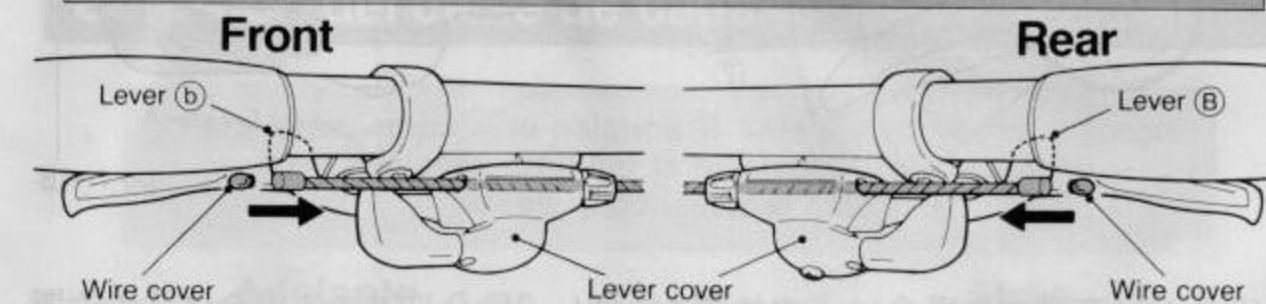
The "reach" of the lever can be adjusted by using the reach-adjustment bolt.



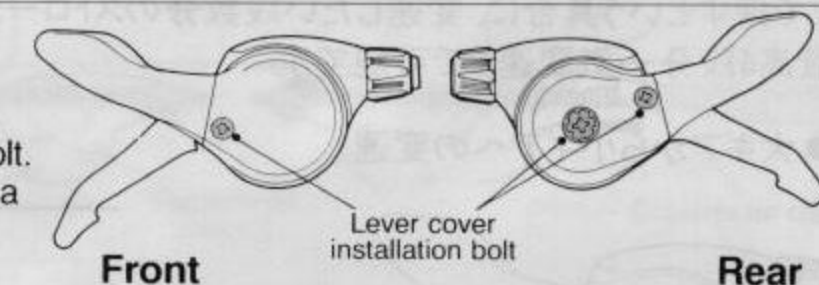
Pull the lever slightly to align the wire hook hole and set the inner cable end.

Connection of the shifting cable

First, for the rear, pull lever (B) six times or more, and then, for the front, pull lever (b) three or four times, and connect the inner cable.



Never remove the lever cover. Do not loosen the lever cover installation bolt. Because it may result in a malfunction.



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