

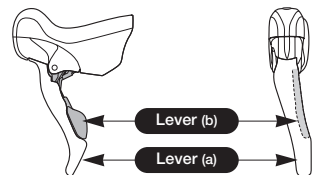
WARNING

- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn or damaged parts may cause the bicycle to fall over and serious injury may occur as a result. 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.

Note

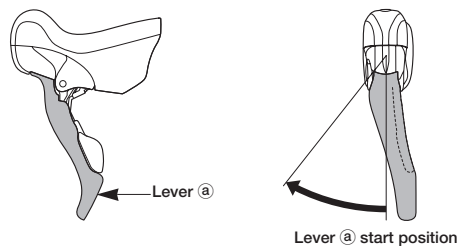
- The ST-6703/5703 front dual control lever is for use with triple front chainwheels, and cannot be used with double front chainwheel products.
- Operation of the levers related to gear shifting should be made only when the front chainwheel is turning.
- For smooth operation, use the specified outer casing and the bottom bracket cable guide.
- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- Use a frame with internal cable routing is strongly discouraged as it has tendencies to impair the SIS shifting function due to its high cable resistance.
- A special grease is used for the gear shifting cable. Do not use DURA-ACE grease or other types of grease, otherwise they may cause deterioration in gear shifting performance.
- Please refer to the Service Instructions for the ST-6700/5700 for details on installation and maintenance.
- Be sure to read these service instructions in conjunction with the service instructions for the FD-6703/5703 before use.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use.
- For maximum performance we highly recommend Shimano lubricants and maintenance products.
- For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer.

Gear shifting operations

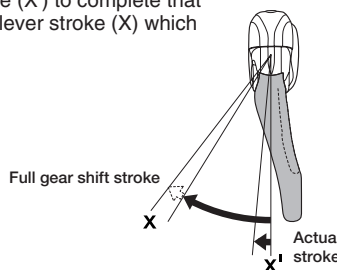


Lever (b) will also move when lever (a) is operated, but be careful not to apply pressure to lever (b). Similarly be careful not to press lever (a) when operating lever (b). Gears will not shift when both levers are pressed simultaneously.

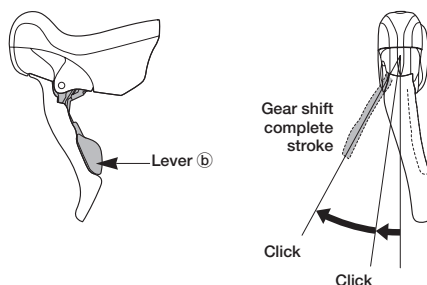
- **Lever (a)** : Shifting from the smallest chainring to the intermediate chainring or from the intermediate chainring to the largest chainring



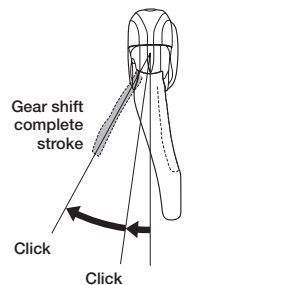
If operation of lever (a) does not complete the chainring shift stroke, operate lever (a) again for the distance (X) to complete that part of the lever stroke (X) which was short.



- **Lever (b)** : Shifts from largest chainring to intermediate chainring.

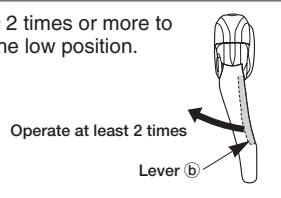


- **Lever (b)** : Shifts from intermediate chainring to smallest chainring.

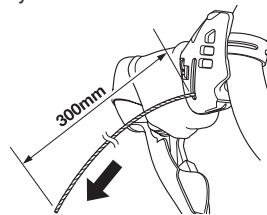


Installation of the shifting cable

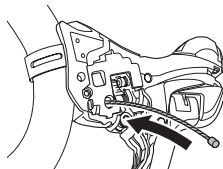
Operate lever (b) 2 times or more to set the lever to the low position.



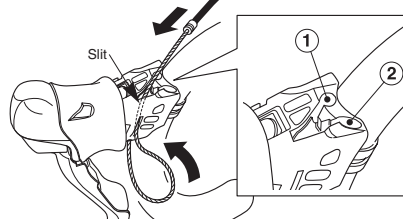
2. Insert the shifting cable so that it protrudes out from the side by about 300 mm.



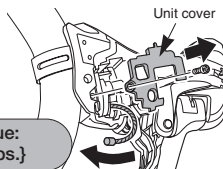
1. Pass the shifting cable straight in from the side as shown in the illustration.



3. Pass the inner cable upward through the slit as shown in the illustration. The outer casing can be routed in two directions: either through cable guide (1) (inside) or cable guide (2) (outside).



When removing parts in order to replace the inner cable, the work can be carried out more easily if the unit cover is removed as shown in the illustration.



Tightening torque:
 0.2 N·m {1.8 in. lbs.}

Trimming (noise prevention mechanism) operation

Depending on the position of the chain after shifting, the chain may rub against the chain guide outer plate or the chain guide inner plate of the front derailleur, producing a characteristic noise. If this sort of thing happens, you can press lever (a) or lever (b) slightly to move the front derailleur a little way so that it does not touch the chain. This operation is called "trimming". Trimming can be carried out whether the chain is on the largest, intermediate or smallest chainring. If noise occurs when the chain is in one of the positions shown below, carry out trimming to eliminate the noise.

Chain position	Symptom	Trimming operation	
		Lever operation	Front derailleur movement
Largest chainring Smaller sprockets	Chain contacts outer plate Outer plate Chain	Lever (a) Click (Hits)	Before trimming → After trimming Front derailleur movement
Intermediate chainring Smaller sprockets			
Smallest chainring Smaller sprockets			
Largest chainring Larger sprockets	Chain contacts inner plate Inner plate Chain	Lever (b) Click (Hits)	Before trimming → After trimming Front derailleur movement
Intermediate chainring Larger sprockets			
Smallest chainring Larger sprockets			

Technical Service Instructions SI-6SE0B-002

ST-6703 / ST-5703

Front Dual Control Lever

In order to realize the best performance, we recommend that the following combination be used.

Series	ULTEGRA	105
Dual control lever	ST-6703	ST-5703
Outer casing	OT-SP41 (SIS-SP41)	
Gears	30	
Front derailleur	FD-6703	FD-5703
Front chainwheel	FC-6703	FC-5703
Rear derailleur (GS Type)	RD-6700	RD-5700
Freehub	FH-6700	FH-5700
Cassette sprocket	CS-6700	CS-5700
Chain	CN-7801 / CN-6600 / CN-5600	
Bottom bracket cable guide	SM-SP17	
Cable adjuster	SM-CA70 / SM-CA50	

SHIMANO

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Please note: specifications are subject to change for improvement without notice. (English)
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* Service Instructions in further languages are available at :
<http://techdocs.shimano.com>