

For Left Hand

ITEM NO.	SHIMANO CODE NO.	DESCRIPTION		HANGE- LITY
1	Y6TK98010	L.H. Main Lever Assembly (Silver)		
	Y6TK98020	L.H. Main Lever Assembly (Black)		
2	Y6TH98060	L.H. Name Plate & Fixing Screws		A
3	Y6TJ52000	L.H. Main Lever Support		A
4	Y6RU87010	L.H. Release Lever Support	A	Α
5	Y6SC98070	Lever Axle & E-ring	A	A
6	Y6TK98030	L.H. Bracket Unit		
7	Y6SC98150	Clamp Band Unit (ø23.8 mm - ø24.2 mm)		A
8	Y6SE14000	L.H. SL Cable Guide	A	
9	Y6TK98040	L.H. Bracket		
10	Y6SE98040	Unit Cover & Fixing Screw		
11	Y6SC76010	L.H. Adjustment Block (5 mm)	A	A
	Y6SC75010	L.H. Adjustment Block (10 mm)	A	А
12	Y6TK09000	Bracket Cover		
13	Y6RT68000	Tool A for E-ring		А
14	Y6RT66000	Tool B for E-ring	A	А
A: Same	e parts.		Ma	r2010-3029

A: Same parts. B: Parts are usable, but differ in materirals, appearance, finish, size, etc. Absence of mark indicates non-interchangeability.



© Shimano Inc. I

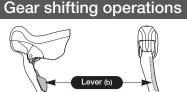
SI-6SE0B-002-00 **General Safety Information**

- · 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.

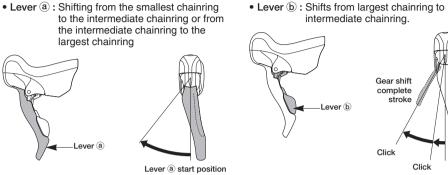
Note

- 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 guestions regarding methods of installation. adjustment, maintenance or operation, please contact a professional bicycle dealer.
- Technical Service Instructions SI-6SE0B-002

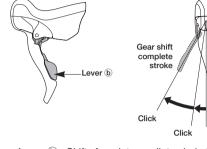
ST-6703 / ST-5703



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.

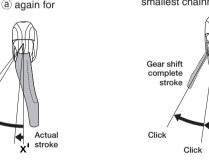


If operation of lever (a) dose not complete the chainring shift stroke, operate lever (a) again for the distance (X') to complete that part of the lever stroke (X) which was short.



intermediate chainring.

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



Note:

Installation of the shifting cable

Full gear shift stroke

Operate lever (b) 2 times or more to

set the lever to the low position.

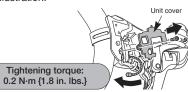
2. Insert the shifting cable so that it protrudes out from the side by about 300 mm.



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



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.



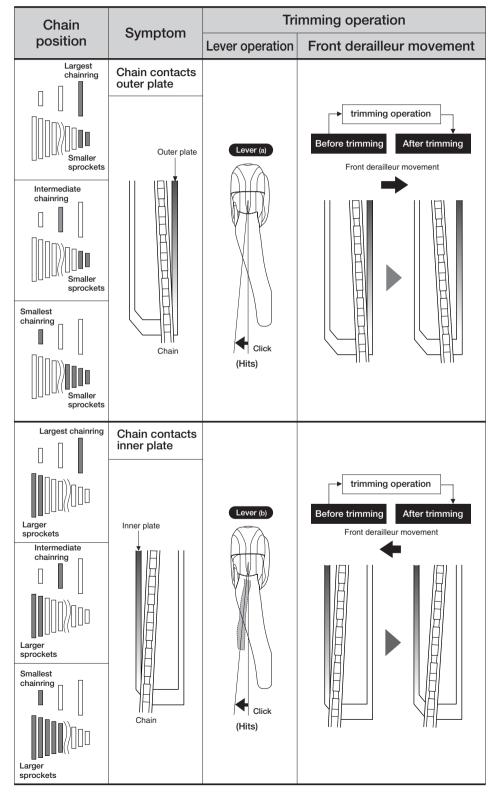
3. Pass the inner cable upward through the slit as shown in the illustration. The outer casing can be routed in two directions: either through cable guide (1) (inside) or cable guide 2 (outside).



Be careful not to bend or rub the inner cable while working. Insert the inner cable so that the inner cable drum goes into the winder unit as far as it can go.

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.



Industrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222 Please note: specifications are subject to change for improvement without notice. (English) © Mar. 2010 by Shimano Inc. XBC SZK Printed in Japan

SHIMANO

SHIMANO EUROPE B.V.

SHIMANO AMERICAN CORPORATION

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			

* Service Instructions in further One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

languages are available at : http://techdocs.shimano.com

SHIMANO INC. 3-77 Oimatsu-cho, Sakai-ku, Sakai-shi, Osaka 590-8577. Japan

SI-6TH0A-002-00 General Safety Information

- 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.
- Obtain and read the service instructions carefully prior to installing the parts. If adjustments are not carried out correctly, the chain may come off and this may cause you to
- fall off the bicycle which could result in serious injury Use the ST-5700/5703, BL-TT79 with the BR-5700. Do not use the BB-5700 in combination with previous STI levers for road riding or with the BL-R770/BL-R550 brake levers for flat handlebars, otherwise the braking performance provided will
- be much too strong Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

Note

- For triple front chainwheel specifications, be sure to read these Service Instructions in conjunction with the Service Instructions for the ST-5703 and FD-5703.
- 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
- Grease the inner cable guide. before use to ensure that they slide properly.
- Because the high cable resistance of a frame with internal cable routing would impair the SIS function, this type of frame
- should not be used 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. 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.

Technical Service Instructions SI-6TH0A-002

ST-5700

Shimano Total Integration

In order to realize the best performance, we recommend that

Series	105
Shifting lever	ST-5700
Outer casing	OT-SP41 (SIS-SP41)
Gears	20
Front derailleur	FD-5700
Front chainwheel	FC-5700
Rear derailleur	RD-5700-SS
Freehub	FH-5700
Cassette sprocket	CS-5700
Chain	CN-5701
Bottom bracket cable guide	SM-SP17
Cable adjuster	SM-CA70 / SM-CA50

Operation



Lever (A) : Shifts from smaller to larger rear sprocket. Lever (B) : Shifts from larger to smaller rear sprocket. Lever (a) : Shifts from smaller to larger chainring Lever (b) : Shifts from larger to smaller chainring

All levers return to the starting position when released.

SHIMANO

SHIMANO AMERICAN CORPORATION One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE B.V. dustrieweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222 SHIMANO INC.

* Service Instructions in further languages are available at :

Please note: specifications are subject to change for improvement without notice. (English) @ Mar. 2010 by Shimano Inc. XBC SZK Printed in Japan.

3-77 Oimatsu-cho, Sakai-ku, Sakai-shi, Osaka 590-8577, Japan

http://techdocs.shimano.com

Lever stroke adjustment If you would like to make the lever stroke larger, remove the pad

pad spacer with the accessory pad spacer (10 mm). 5 mm pad spacer (default)

Operation of rear derailleur lever

• Lever (A) : Shifts from smaller to larger rear sprocket

Lever Ø

start positi

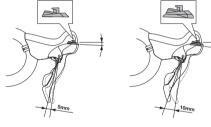
Lever (B) : Shifts from larger to smaller rear sprocket.
 Press lever (B) once to shift from a larger to one smaller sprocket.

Lever A has a click stop at positions 1 and 2

① : Shifts one sprocket E.x. : from 3rd to 4th

2 : Quick-shifts two sprockets E.x. : from 3rd to 5th

E.x. : from 4th to 3rd



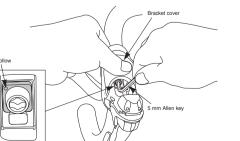
Installation and removal of the pad space



Installation

The correct way for clamp was (B) to face is so that the small hollow on the surface is in the

Installation to the handlebar Move the bracket cover forward, and then securely tightening the mounting nut with a 5 mm Allen key

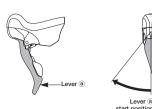


When installing the components to carbon frame/handle bar surfaces, verify with the manufacturer of the carbon frame/parts for their recommendation on tightening torque in order to prevent over tightening that can cause damage to the carbon material and/or under tightening that can cause lack of fixing strength for the components

Tightening torque: 6 - 8 N⋅m {52 - 69 in. lbs.}

Operation of front derailleur levers (FD-5700)

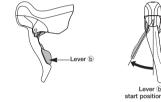
• Lever (a) : Shifts from smaller to larger front chainring.



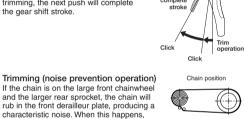
If operation of lever (a) dose not complete the chainring shift stroke, operate lever (a) again for the distance (X') to complete that part of the lever stroke (X) which was short.

Full gear shift st ctual stroke

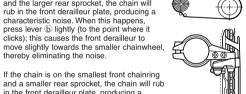
• Lever (b) : Shifts from larger to smaller front chainring.



When lever (b) is operated, there is one click where trimming (the noise prevention mechanism) engages, and a second stronger click when the gear shift stroke is completed. After trimming, the next push will complete the gear shift stroke.



Gear shif



.φ1.6 mm

If the chain is on the smallest front chainring and a smaller rear sprocket, the chain will rub in the front derailleur plate, producing a characteristic noise. When this happen press lever (a) lightly (to the point where it Movement of the front derailleur clicks): this causes the front derailleur to move slightly towards the larger chainring, thereby eliminating the noise.

Caution on operation

thereby eliminating the noise.

Lever (B)b) will also move when lever (A)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.

Be sure to read these service instructions in conjunction with the service instructions for the RD-5700, FD-5700 before use.

Installation of the brake cable

Cable used

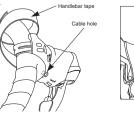
 Inner cable (stainless steel) ------ SLR outer casing

Be sure to leave some excess cable, even if cutting it to the full length of the handlebars.

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 lustratior

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

Be careful not to cover the cable holes or the unit cover when wrapping on the handlebar tape. If the handlebar tape covers these places, it will not be possible to replace the inner cable



↓ φ1.2 mm

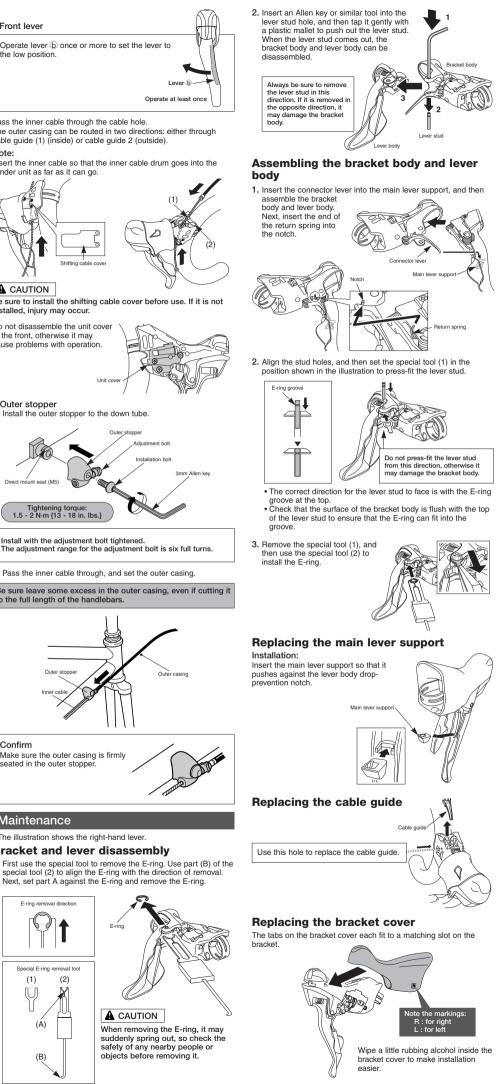
0) SHIMANO SP41

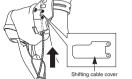
IMANO SP41 SEALED

000

0)))))

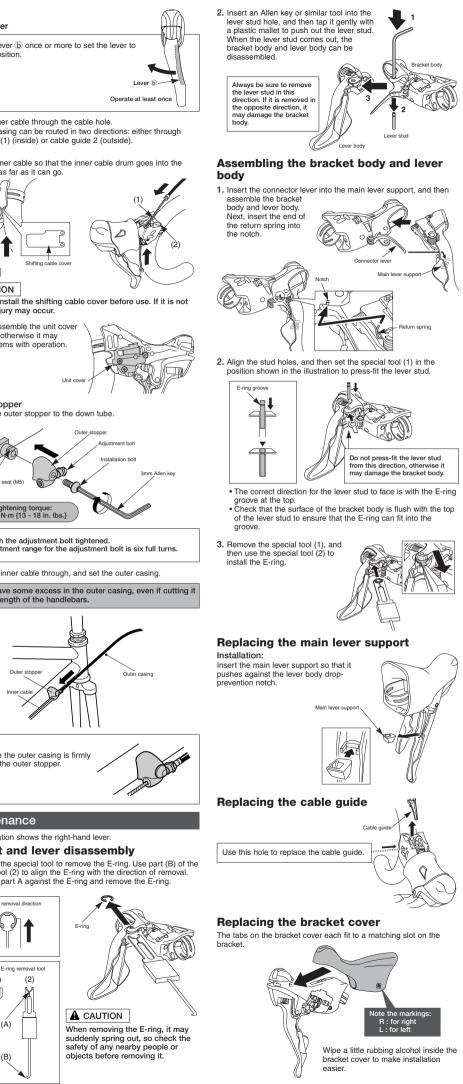
the low position

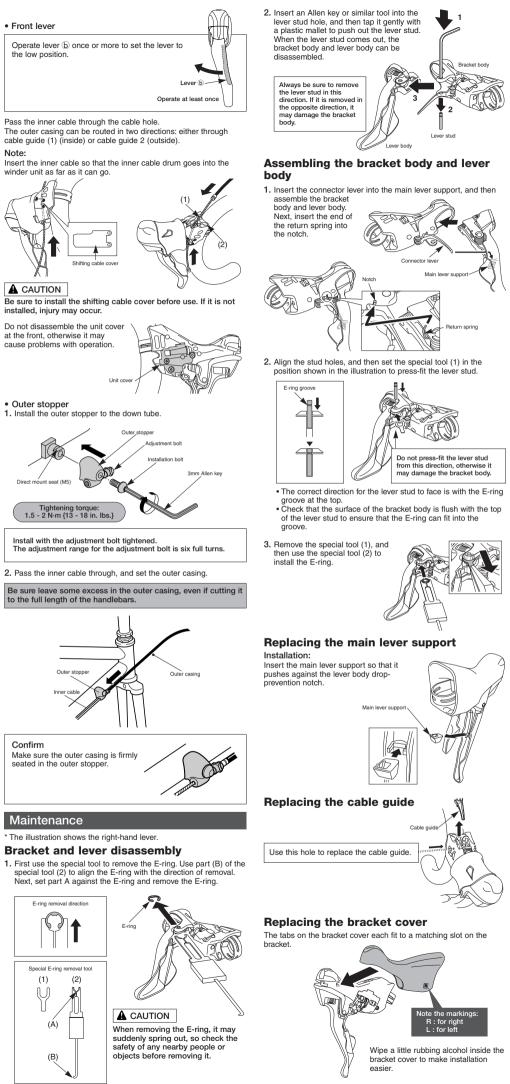


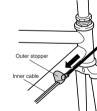


installed, injury may occur.

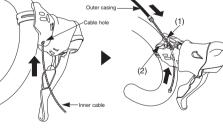
at the front, otherwise it may cause problems with operation.











The outer casing can be routed in two directions: either through cable guide (1) (inside) or cable guide 2 (outside).

Insert the inner cable so that the inner cable drum goes into the

Pass the inner cable through as shown in the illustration, and then

4-mm ca

When cutting the outer casing, cut the opposite end to the end with

the marking. After cutting the outer casing, make the end round so

Attach the same outer end cap to the cut end of the outer casing

Operate lever (B) at least 9 times to set the lever

Pass the inner cable through the cable hole.

SHIMANO SP41

SHIMANO SP41

Operate at least 9 til

Plastic cap or 4-m

set the inner cable drum into the cable hook.

Installing the shifting cable

Inner cable (PTFE inner cable)

• SP41 sealed outer casing (1) ····

• SP41 outer casing (2) ······

Cutting the outer casing

that the inside of the hole has a uniform

Cable used

5

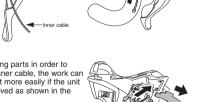
diameter

Rear lever

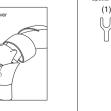
Note:

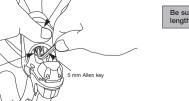
to the highest position

winder unit as far as it can go.









If you would like to make the lever stroke smaller, replace the and the larger rear sprocket, the chain will rub in the front derailleur plate, producing a characteristic noise. When this happens, 10 mm pad spacer press lever (b) lightly (to the point where it clicks); this causes the front derailleur to