## SI-6BT0A-004-00 General Safety Information

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- 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
- Use the ST-7900/BL-TT79 with the BR-7900. Do not use the BB-7900 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 wil
- be much too strong. Because of the characteristics of the carbon fiber material, you
  must never modify the levers, otherwise the lever may break
- Before riding the bicycle, check that there is no damage such as carbon fiber peeling or cracking. If there is any damage, replace with a new part immediately without trying to repair the damage, otherwise the lever may break and the brakes may no longer work as a result.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

## Note

- Use a soft cloth to clean the carbon fiber levers, and be sure to moisten the cloth with neutral detergent before using it, otherwise the lever material may become damaged and lose its strength.
- Avoid leaving the carbon fiber levers in places where high temperatures are present. Also keep them well away from fire.
  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.
- 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 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-6RT0A-004

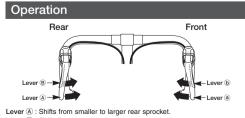
ST-7900

Shimano Total Integration

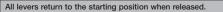
## DURA-ACE

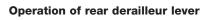
In order to realize the best performance, we recommend that

Series	DURA-ACE
Shifting lever	ST-7900
Duter casing	OT-SP41 (SIS-SP41)
Gears	20
ront derailleur	FD-7900
ront chainwheel	FC-7900
Rear derailleur	RD-7900SS
reehub	FH-7900
Cassette sprocket	CS-7900
Chain	CN-7900
Bottom bracket cable guide	SM-SP17
Cable adjuster	SM-CA70 / SM-CA50

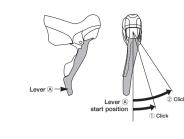


Lever B : Shifts from larger to smaller rear sprocket. : Shifts from smaller to larger chainring. Lever (b) : Shifts from larger to smaller chainring





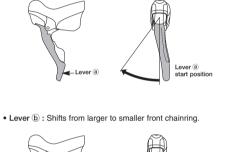
• Lever (A) : Shifts from smaller to larger rear sprocket Lever A has a click stop at positions 1 and 2

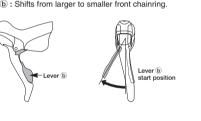


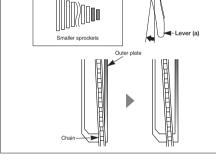












Lever (B) : Shifts from larger to smaller rear sprocket.

E.x. : from 4th to 3rd

Caution on operation

plate

levers are pressed simultaneously.

ctions for the RD-7900 before use

Smaller chainrin

Press lever B once to shift from a larger to one smaller sprocket

Lever (B) will also move when lever (A) is operated, but be careful

not to apply pressure to lever (B). Subjectively, but be careful not to press lever (A) when operating lever (B). Gears will not shift when both

Be sure to read these service instructions in conjunction with the service

If the outer plate touches the chain when the chain is at the gea

move the derailleur so that the chain no longer touches the outer

position shown in the illustration, operate lever (a) slightly to

Caution on operation (FD-7900)

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.

Be sure to read these service instructions in conjunction with the service instructions for the FD-7900 before use

## Installation of the brake cable

Cable used φ1.6 mm Inner cable (PTFE inner cable) ····· · OF

 SLR outer casing •• 

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

1. Loosen the screw and remove the name plate.

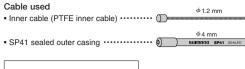
2. Pass the inner cable through as shown in the illustration and then set the inner cable drum into the cable hook.

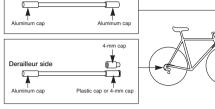
# 3. Install the name plate

Tightening torque: 0.15 - 0.2 N·m {1.3 - 1.8 in. lbs.}

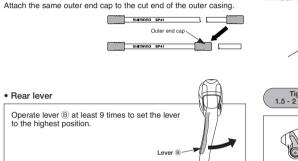
## Installing the shifting cable

• Use a proper inner cable. It is recommended that you use an outer casing with an aluminum cap



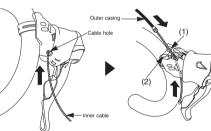


Cutting the outer casing When cutting the outer casing, cut the opposite end to the end with the marking. After cutting the outer casing, make the end round so that the inside of the hole has a uniform diameter



Operate at least 9 times

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

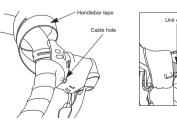


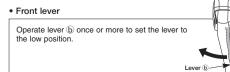
When removing parts in order to replace the inner cable, the work can be carried out more easily if the unit cover is removed as shown in the illustration

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

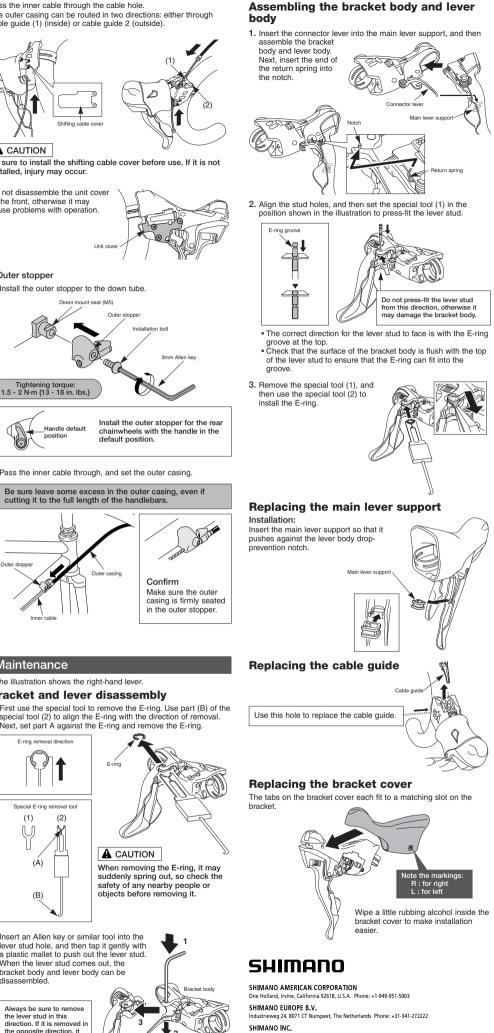
Rear lever

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

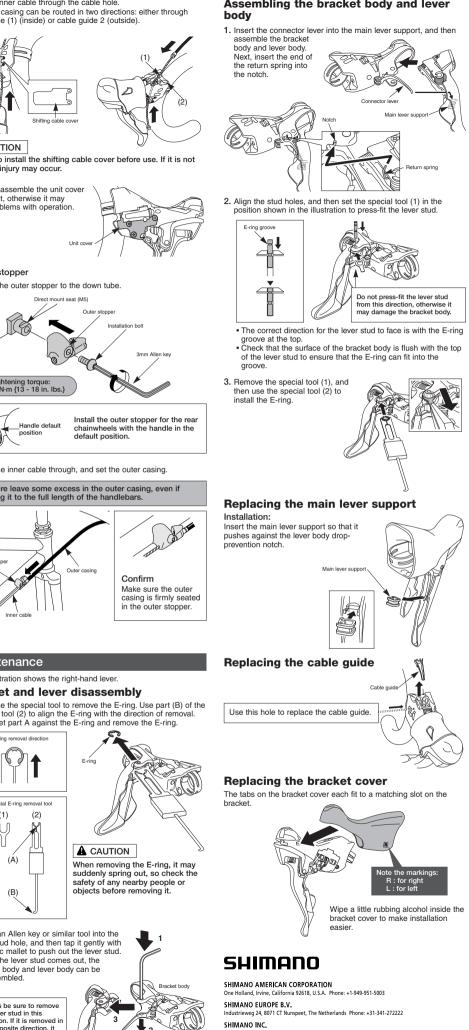


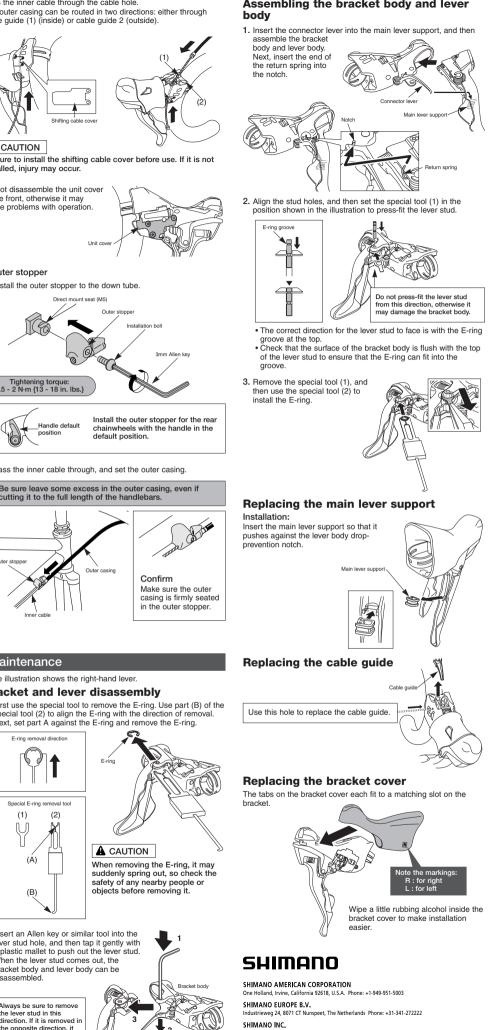


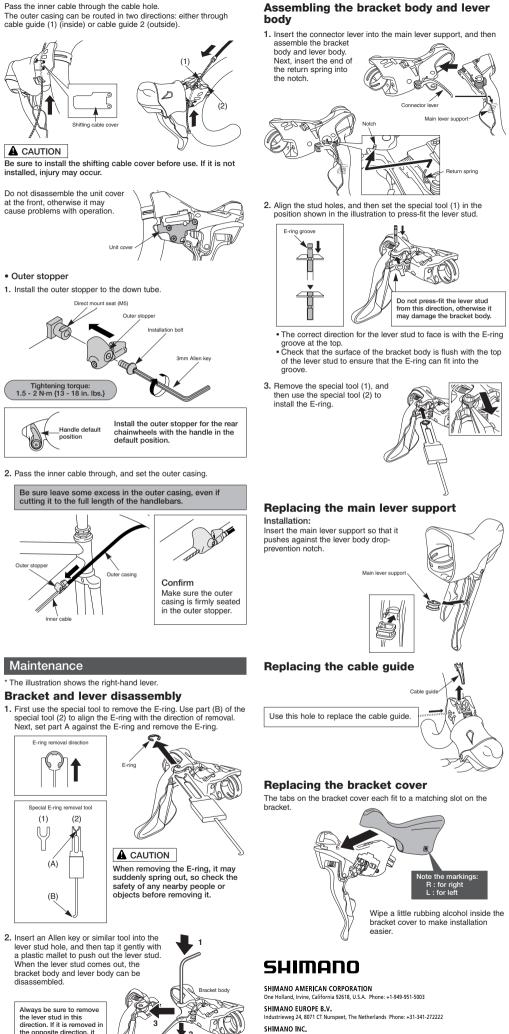
Operate at least once

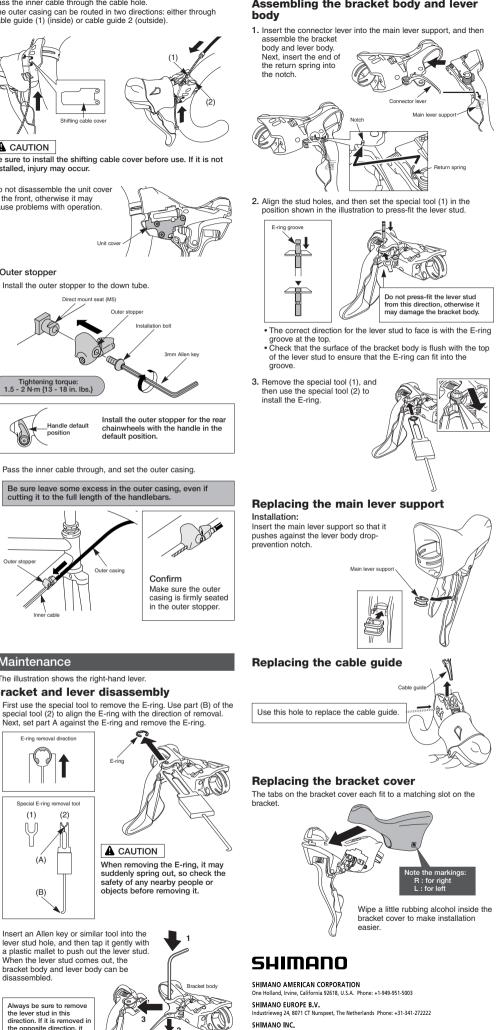


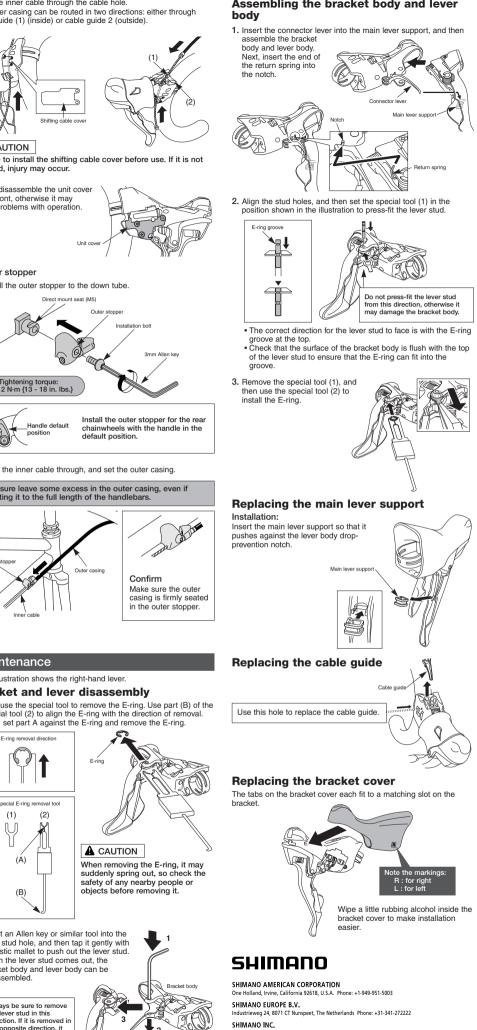
Do not disassemble the unit cover at the front, otherwise it may cause problems with operation

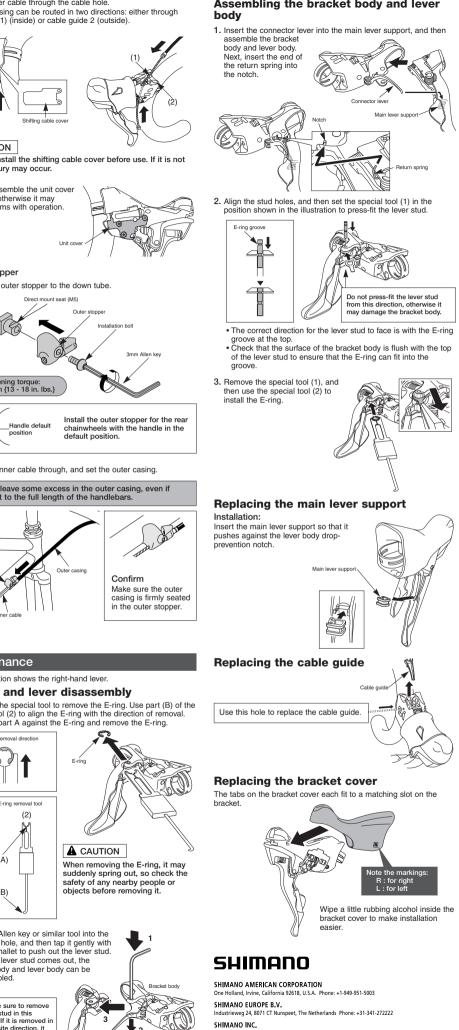


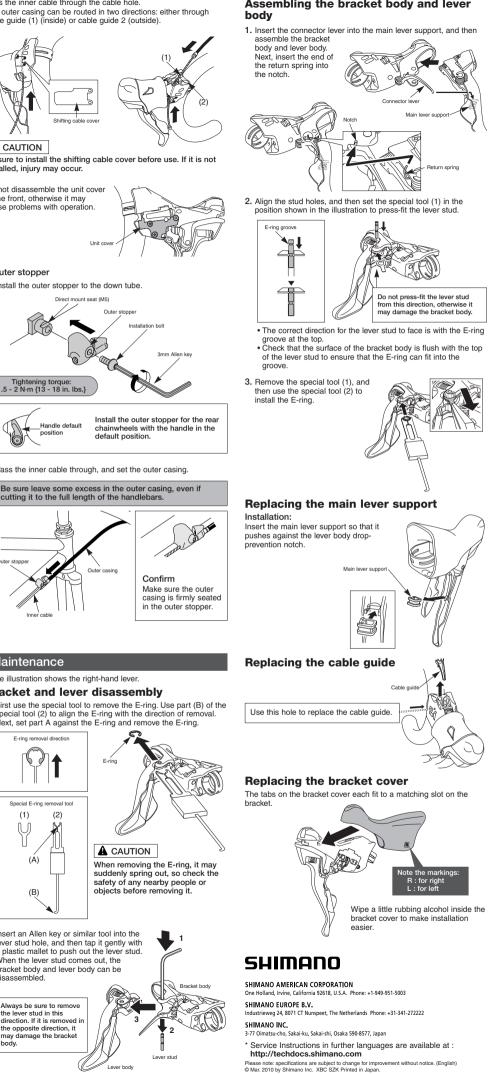














Installation

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

ollow on the surface is in the

components.

Installation to the handlebar

mounting nut with a 5 mm Allen key

Move the bracket cover forward, and then securely tightening the

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

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