

FD-6500

Front derailleur

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

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

Series	ULTEGRA
Shifting lever	ST-6500 / SL-7700 / SL-BS77
Outer casing	SP40
Sprockets	18
Front derailleur	FD-6500
Front chainwheel	FC-6500
Bottom bracket	BB-6500
Rear derailleur	RD-6500
Freehub	FH-6500
Cassette sprocket	CS-6500
Chain	CN-HG92 / CN-7700
Bottom bracket cable guide	SM-SP17

Specifications

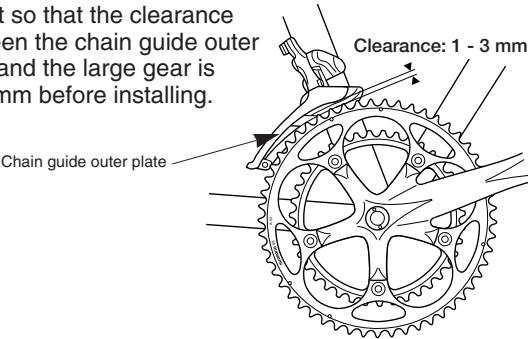
Type	Band type / Brazed on type
Front chainwheel tooth difference	15 teeth or less
Front derailleur installation band diameter	S (28.0 - 28.6mm)
Chainstay angle (α)	61° - 66°
Chain line	43.5mm

Note

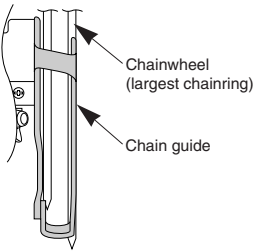
- For smooth operation, always be sure to use the specified outer casing and the bottom bracket cable guide.
- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer.

Installation of the front derailleur

1. Adjust so that the clearance between the chain guide outer plate and the large gear is 1 - 3 mm before installing.



2. The level section of the chain guide outer plate should be directly above and parallel to the largest chainring.
3. Secure using a 5mm Allen key.



Tightening torque:
5 - 7 Nm
{44 - 60 in. lbs.}

SHIMANO®

SHIMANO AMERICAN CORPORATION
One Holland Irvine CA 92618 U.S.A. Phone 949-951-5003

SHIMANO EUROPA

Industrieweg 24 NL-8071 CT Nunspeet Holland Phone 31-341-272222

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

© Apr. 1997 by Shimano Inc. XBC SZK Printed in Japan.

These service instructions are printed on recycled paper and can be recycled again



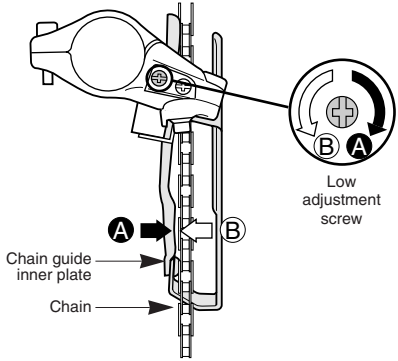
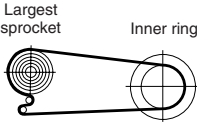
SHIMANO INC.

77 Oimatsu-cho 3-cho Sakai Osaka 590-8577 Japan Phone 0722-23-3243

SIS adjustment

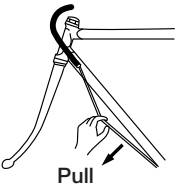
1. Low adjustment

Set so that the clearance between the chain guide inner plate and the chain is 0-0.5 mm.



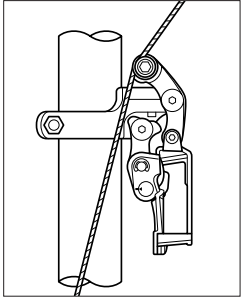
2. Connection and securing of cable

While pulling the inner cable, tighten the wirw fixing bolt with a 5 mm allen key to secure the cable.



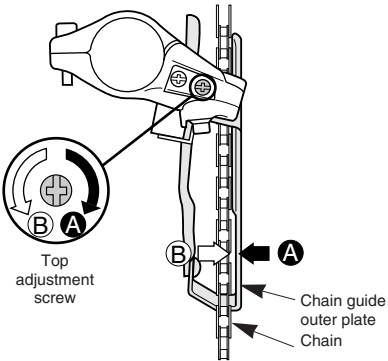
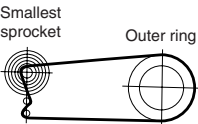
Tightening torque: 5 - 7 Nm
{44 - 60 in. lbs.}

After taking up the initial slack in the cable, re-secure to the front derailleur as shown in the illustration.



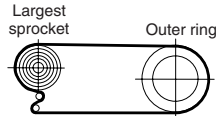
3. Top adjustment

Set so that the clearance between the chain guide outer plate and the chain is 0-0.5 mm.

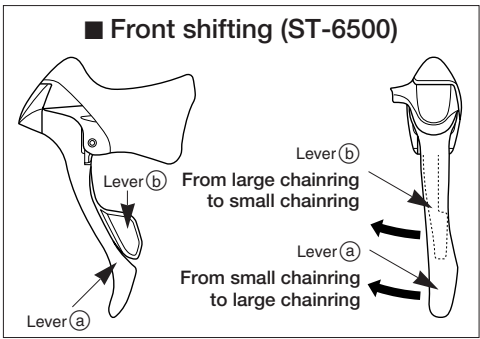


4. Adjustment of the cable tention

- (1) Set the chain to the largest rear sprocket, and shift the front to top gear.



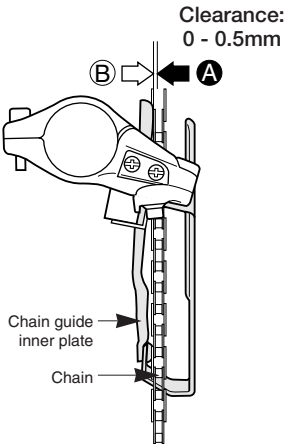
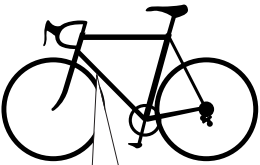
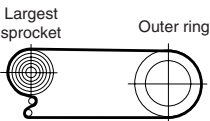
- (2) Perform the trimming.



Trimming (noise-prevention mechanism)

Gently press the lever (b).
(A "click" sound will be heard.)

- (3) After trimming, adjust the clearance (by using the cable-adjustment bolt) of the chain and chaib guide yo the minimum (0-0.5mm).



Be sure to read these service instructions in conjunction with the service instructions for the ST-6500 before use.