

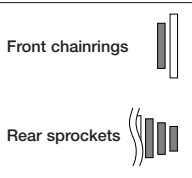
General Safety Information

WARNING

- Obtain, read and carefully service instructions when installing parts. A loose, worn, or damaged parts may cause injury to the rider. We strongly recommend that only genuine Shimano replacement parts be used.
- Be careful not to let the cuffs of your clothes get caught in the chain while riding, otherwise you may fall off the bicycle.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

Note

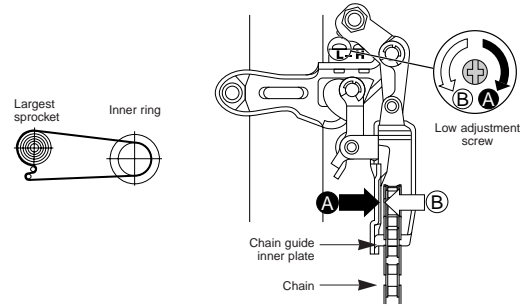
- If gear shifting operations cannot be carried out smoothly, clean the derailleur and lubricate all moving parts.
- If the amount of looseness in the links is so great that adjustment is not possible, you should replace the derailleur.
- When the chain is in the position shown in the illustration, the chain may contact the front chainrings or front derailleur and generate noise. If the noise is a problem, shift the chain onto the next-larger rear sprocket or the one after.
- Grease the inner cable and the inside of the outer casing before use to ensure that they slide properly.
- 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.



Adjustment

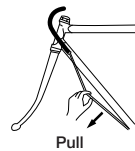
1. Low adjustment

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



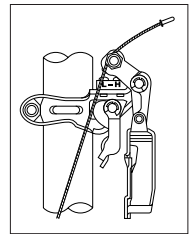
2. Connection and securing of cable

While pulling the inner cable, tighten the wire fixing bolt with a 9 mm spanner 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.



Technical Service Instructions

SI-5FA0B

FD-A050

Front derailleur

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

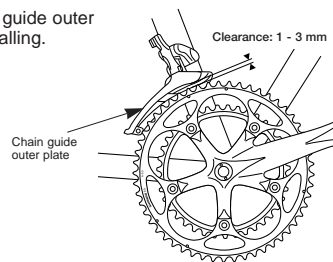
Shifting lever	SL-A050
Outer casing	SIS
Gears	14
Front derailleur	FD-A050
Front chainwheel	FC-A050
Bottom bracket	BB-UN25
Rear derailleur	RD-A050
Multiple Freewheel	MF-HG37
Chain	CN-HG50

Specifications

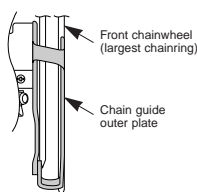
Type	Band type
Front derailleur installation band diameter	S (28.6mm), M (31.8mm)
Chainstay angle (α)	61° - 66°
Chain line	43.5mm

Installation of the front derailleur

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



- The level section of the chain guide outer plate should be directly above and parallel to the largest chainring.

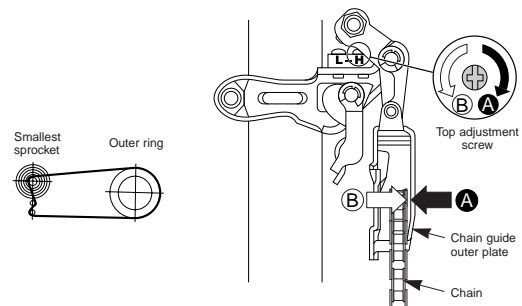


- Secure using a 9 mm spanner.

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

3. Top adjustment

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



Be sure to read these service instructions in conjunction with the service instructions for the SL-A050 before use.

SHIMANO®

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