

SERVICE INSTRUCTIONS

FD-A553-GS Front Derailleur

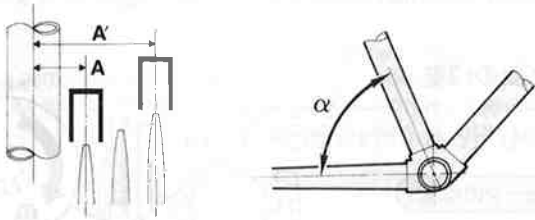
For proper and safe performance, read and follow these instructions carefully.

Note

- This front derailleur is exclusively for a front chainwheel triple gear. Do not use for a double gear, as poor gear shifting will result.
- For the chain, be sure to use only the Shimano narrow-type chain. The wide-type chain cannot be used.

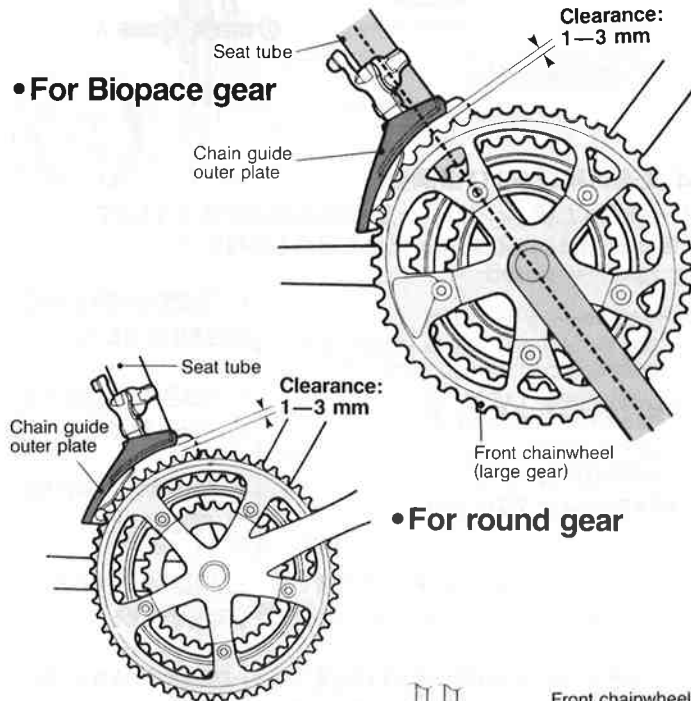
Specifications

Capacity (Front gear tooth difference)	Round gear	8T—26T
	Biopace SG gear	8T—24T
Installation band diameter	∅28.0—∅28.6 mm	
Stroke (A—A')	35—55 mm	
Frame angle (α)	63°—66°	



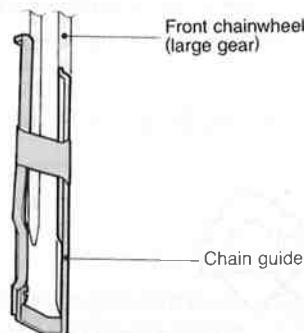
Installation to the frame

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



2. The outside surface of the chain guide should be directly above and parallel to the large gear.
3. Secure by using a 5 mm Allen key.

Tightening torque:
50 kgfcm



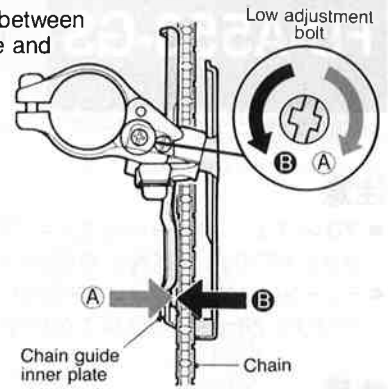
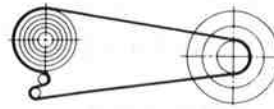
Adjustment and cable securing

1. Low adjustment

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

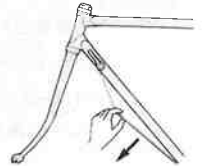
Chain position

Largest gear Smallest gear



2. Cable securing

While forcefully pulling the inner cable, tighten the holding bolt at a torque of 50 kgfcm to secure. Tighten by using a 5 mm Allen key. After taking up the initial slack in the cable, reattach to the front derailleur.

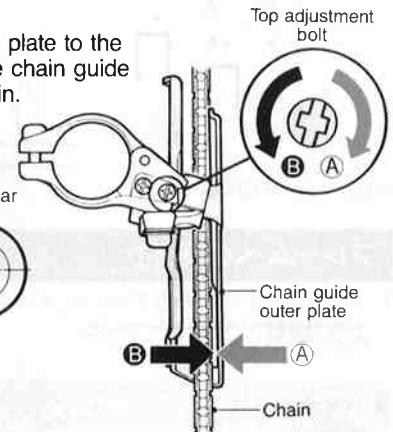
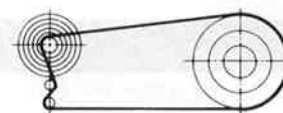


3. Top adjustment

Set the chain guide outer plate to the smallest gap at which the chain guide does not contact the chain.

Chain position

Smallest gear Largest gear



4. Tension adjustment of the cable

After completion of 1—3, move the shift lever to check the shifting.

(This also applies if shifting becomes difficult during use.)

If the chain falls to the crank side.	Tighten the top adjustment bolt clockwise (about 1/4 turn).
If shifting is difficult from the intermediate gear to the larger gear.	Loosen the top adjustment bolt counterclockwise (about 1/8 turn).
If shifting is difficult from the intermediate gear to the small gear.	Loosen the low adjustment bolt counterclockwise (about 1/4 turn).
If there is interference of the chain and front derailleur inner plate at the largest gear of the front chainwheel.	Tighten the top adjustment bolt clockwise (about 1/8 turn).
If there is interference of the chain and front derailleur outer plate at the largest gear of the front chainwheel.	Loosen the top adjustment bolt counterclockwise (1/8 turn).
If the chain falls to the bottom bracket side.	Tighten the low adjustment bolt clockwise (1/2 turn).

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

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