

# RD-A410 Rear Derailleur

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

## Capacity

Type	SGS	SS
Total capacity	37 teeth or less	28 teeth or less
Largest sprocket	28T	28T
Smallest sprocket	11T	11T
Front chainwheel tooth difference	20 teeth or less	13 teeth or less

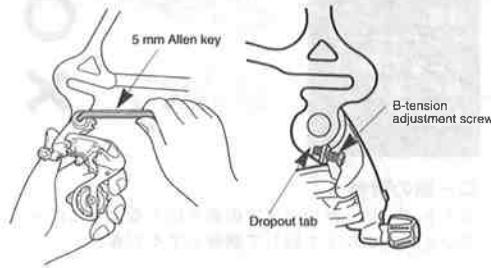
In order to realize the best performance, we recommend that the following combination be used.

Series	SHIMANO RSX	
Shifting lever	SL-A410/ST-A410	
Outer casing	SIS-SP36	
Rear derailleur	RD-A410	
Type	SGS	SS
Front chainwheel	FC-A413	FC-A410
Freehub	FH-A410	
Sprockets	7	
Cassette sprocket	CS-HG50 (11-24T)	
Chain	CN-HG50/CN-UG50	
Bottom bracket cable guide	SM-SP17/SM-BT17	

## Installation of the rear derailleur

When installing, be careful that deformation is not caused by the B-tension adjustment screw coming into contact with the dropout tab.

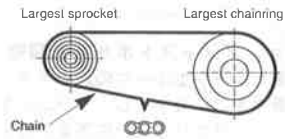
**Bracket spindle tightening torque:**  
7.8 - 9.8 Nm (70 - 86 in. lbs.)



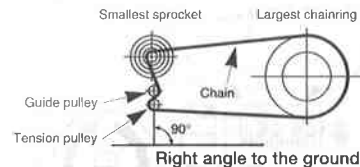
## Chain length

### GS type

Add 2 links (with the chain on both the largest sprocket and the largest chainring)



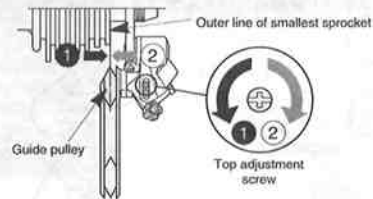
### SS type



## Stroke adjustment and cable securing

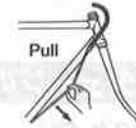
### 1. Top adjustment

Turn the top adjustment screw to adjust so that the guide pulley is below the outer line of the smallest sprocket when looking from the rear.



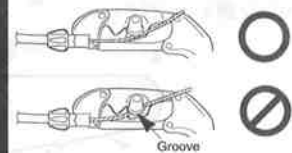
### 2. Connection and securing of the cable

Connect the cable to the rear derailleur and, after taking up the initial slack in the cable, re-secure to the rear derailleur as shown in the illustration.



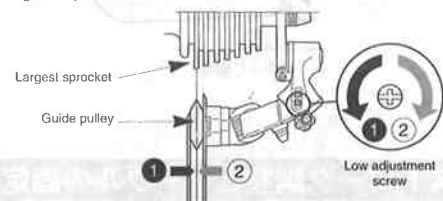
#### Note:

Be sure that the cable is securely in the groove.



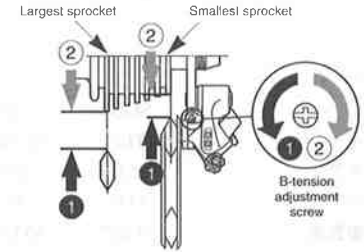
### 3. Low adjustment

Turn the low adjustment screw so that the guide pulley moves to a position directly in line with the largest sprocket.



### 4. How to use the B-tension adjustment screw

Mount the chain on the smallest chainring and the largest sprocket, and turn the crank arm backward. Then turn the B-tension adjustment screw to adjust the guide pulley as close to the sprocket as possible but not so close that it touches. Next, set the chain to the smallest sprocket and repeat the above to make sure that the pulley does not touch the sprocket.

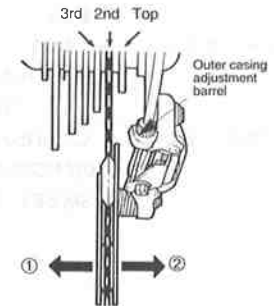


### 5. SIS Adjustment

(1) Operate the shifting lever to move the chain from the top gear to the 2nd gear.

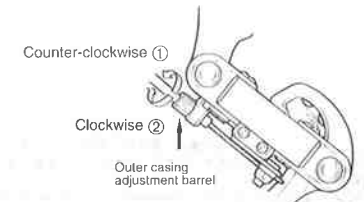
\* If the chain will not move to the 2nd gear, turn the outer casing adjustment barrel to increase the tension---① (counter clockwise)

\* If the chain moves past the 2nd gear, decrease the tension---② (clockwise)



(2) Next with the chain on the 2nd gear, increase the inner cable tension ① while turning the crank arm forward. Stop turning the outer casing adjustment barrel just before the chain makes noise against the 3rd gear.

This completes the adjustment.



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