

# SERVICE INSTRUCTIONS

**RD-1055** (Short cage)

**RD-A550** (Short cage)

**RD-A550-GS** (Long cage)

Rear Derailleur

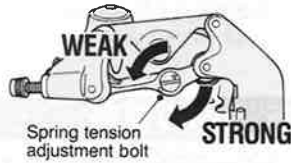
Before use, read these instructions carefully, and follow them for correct use.

## Capacity

Type	Front difference	Total capacity	Rear smallest sprocket	Rear largest sprocket
Short cage RD-1055 RD-A550	13 teeth or less	28 teeth or less	12 teeth	28 teeth
Long cage RD-A550-GS	22 teeth or less	36 teeth or less	12 teeth	30 teeth

## Note

- If used as SIS, be sure to use the following combination:
  - Shifting lever.....SL-1055/SL-A550/SL-6400
  - Rear derailleur.....RD-1055/RD-A550/RD-6400
  - Freehub.....FH-1055/FH-A550/FH-6400-HG
  - Cassette sprocket.....CS-HG70/CS-HG90/CS-6400
  - Chain.....CN-HG70/CN-HG50
  - Outer cable.....Shimano SIS cable (for long cage, use Shimano SIS-SP cable)
- Because the high cable resistance of a frame with internal cable guides would impair the SIS function, this type of frame should not be used.
- RD-1055 and RD-A550 cannot be used in combination with the Dura-Ace shifting lever.
- The tension of the guide spring can be set to any one of three steps. If a higher return force for the rear derailleur is necessary because riding conditions are poor, set to the **STRONG** setting. If the riding conditions are very good, a lighter, smoother lever operation feeling can be obtained by setting to the **WEAK** position.
- The setting is strong at the ○ mark.

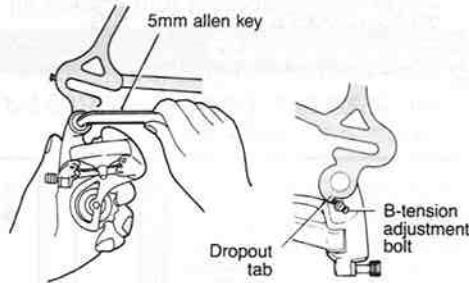


## Assembly and Adjustment

### 1. Assembly to Frame

Bracket axle tightening torque:  
80—100 kgfcm (70—85 in.lbs.)

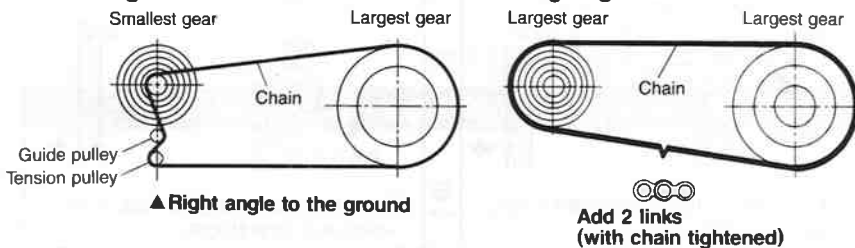
When installing, be careful that deformation is not caused by the B-tension adjustment bolt coming into contact with the dropout tab.



### 2. Chain Assembly

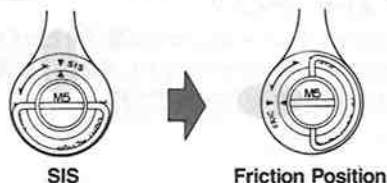
Short cage

Long cage



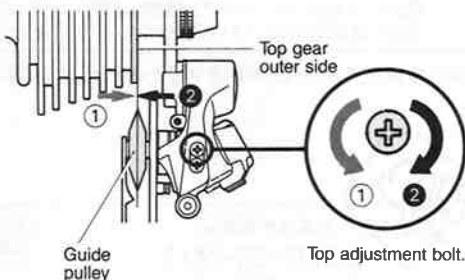
### 3. Stroke Adjustment and Cable Connection

Adjust with the lever at the friction position.



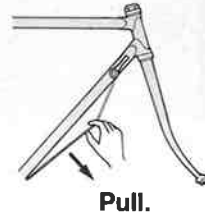
#### 1. Top adjustment

Turn the top adjustment bolt to adjust so that, looking from the rear, the guide pulley is below the outer line of the top gear.

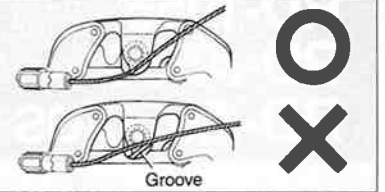


#### 2. Inner cable connection

Connect the inner cable to the rear derailleur and, after the pre-stretch as shown in the figure, reconnect to the rear derailleur.

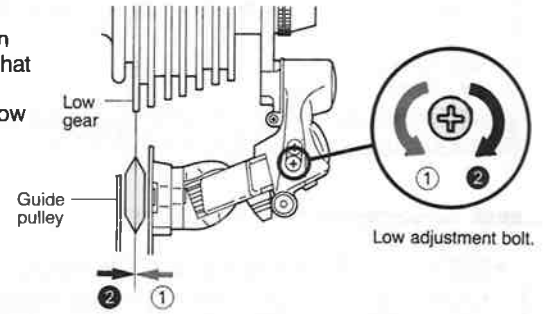


Note: Be sure the inner cable is securely in the groove.



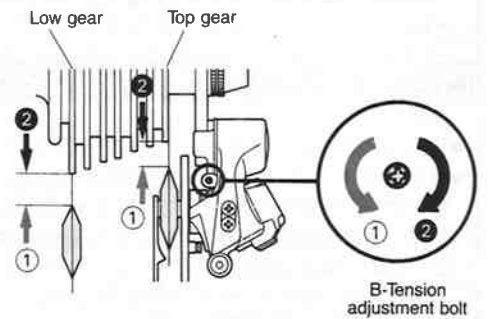
#### 3. Low adjustment

Shift to lowest gear and turn the low adjustment bolt so that the guide pulley moves to a position directly below the low gear.



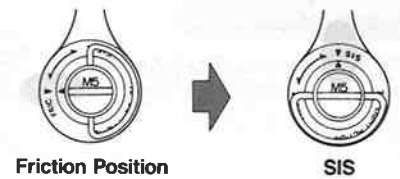
### 4. How to Use B-Tension Adjustment Bolt

Mount the chain on the chainwheel's smallest gear and the freewheel's largest gear, and turn the crank backward. Then turn the B-tension adjustment bolt to adjust the guide pulley as close to the gear as possible but not so close that it touches. Next, set the freewheel to the smallest gear and repeat the above to make sure the pulley does not touch.



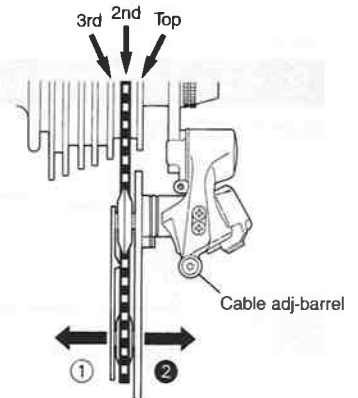
### 5. SIS Adjustment

1. Move the shifting lever from friction so SIS, and make the SIS adjustment.

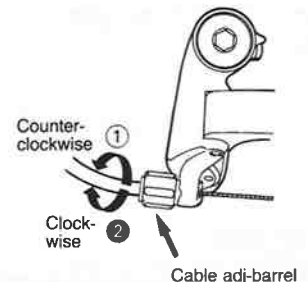


2. Operate the shifting lever to move the chain from the top gear to the 2nd gear.

- If the chain will not move to the 2nd gear, turn the cable adjusting barrel to increase the tension.....① (counter clockwise)
- If the chain moves past the 2nd gear, decrease the tension.....② (clockwise)



3. Next with the chain on the 2nd gear, increase the inner cable tension ① while turning the crank forward. Stop turning the cable adjusting barrel just before the chain makes noise against the 3rd gear. This completes the adjustment.



Be sure to perform oil maintenance at each part of the derailleur mechanism.

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

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