

SERVICE INSTRUCTIONS

RD-M500 RD-M300
RD-M500-C RD-M200
RD-M400 RD-M200-C

Rear Derailleur

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

Capacity *GS: Long cage/SGS: Super long cage*

- Total capacity (front difference plus rear difference): 36 teeth or less (GS)/38 teeth or less (SGS)
- Rear smallest sprocket: 12 teeth (GS, SGS)/Rear largest sprocket: 30 teeth (GS)/32 teeth (SGS)

Note: The above capacity is the value when the B-tension adjustment bolt is completely tightened.

Note

- Be sure to follow the recommendations below regarding combinations of components:
 - Shifting lever.....ST-M050/ST-M050-C/ST-M020/ST-M020-C/SL-M300/SL-M200/SL-M201
 - Rear derailleur.....RD-M500/RD-M500-C/RD-M400/RD-M300/RD-M200/RD-M200-C
 - Freehub•Freewheel.....FH-M550/FH-HG50/FH-HG20/MF-Z012
 - Chain.....CN-HG50 (except for the RD-M200 6-speed specifications)
 - Outer cable.....Shimano SIS-SP cable/Shimano SIS-SP sealed cable
- Because the high cable resistance of a frame with internal cable guides would impair the SIS function, this type frame should not be used.

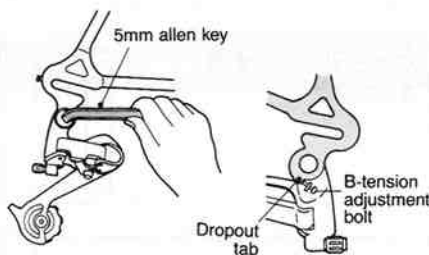
Assembly and Adjustment

1. Assembly to Frame

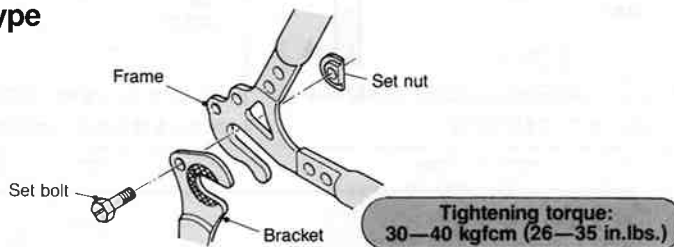
• Direct-mount type

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

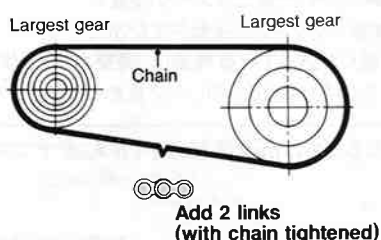
When installing, be careful that deformation is not caused by the B-tension adjustment bolt coming into contact with the dropout tab.



• Bracket type



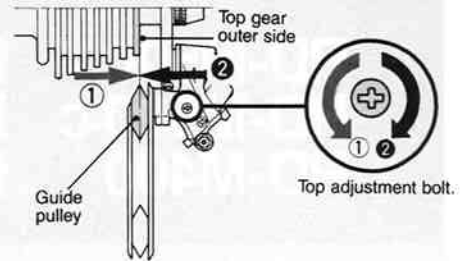
2. Chain Assembly



3. Stroke Adjustment and Cable Connection

1. Top adjustment

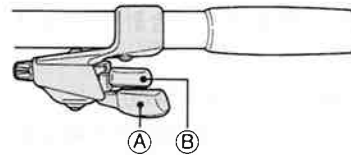
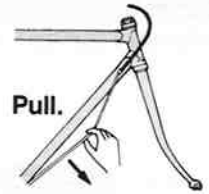
Turn the top adjustment bolt to adjust so that, looking from the rear, the guide pulley is below the outer line of the top gear.



2. Inner cable connection

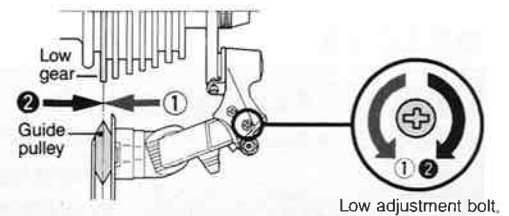
Press the lever (B) **six times or more** to first set the lever to top gear.

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



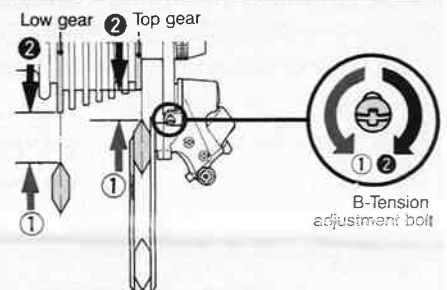
3. Low adjustment

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



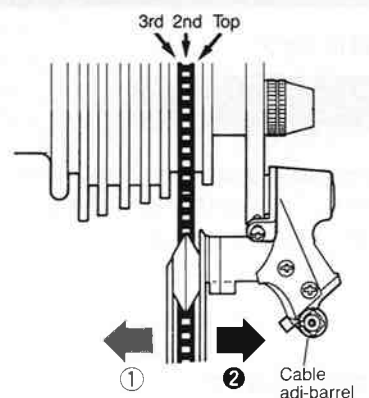
4. How to Use B-Tension Adjustment Bolt

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.

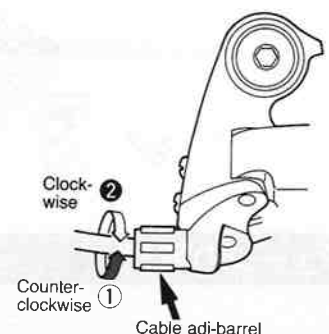


5. SIS Adjustment

- 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)



- 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.



For the best SIS performance, lubrication is recommended for all power-transmission parts.

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

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