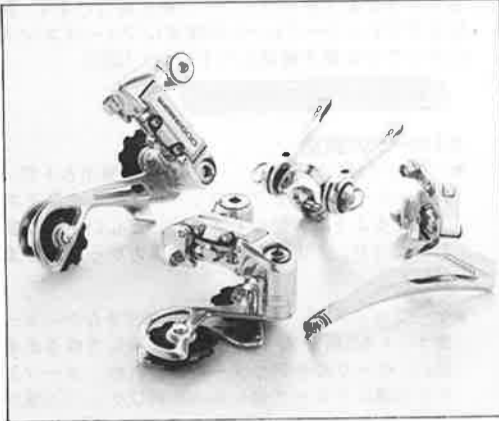


SERVICE INSTRUCTION

New Shimano 600EX Derailleur set

- Rear Derailleur/ RD-6207 (Short Cage)
RD-6207GS (Long Cage)
- Front Derailleur/ FD-6207
- Shifting Lever/ SL-6207BA (Band Type A)
SL-6207FA (Brazed on Type A)
SL-6207BB (Band Type B)
SL-6207FB (Brazed on Type B)
SL-6207FC (Brazed on Type C)

NEW
SHIMANO 600EX



Features

Rear Derailleur

- 1) Hexagon wrench tooling for simplified handling and secure attachment.
- 2) Durable sealed mechanism.
- 3) The high-strength brass bushing on the link's friction surface and the stainless steel pin improve durability and minimize wear.
- 4) In addition to an ordinary spoke barrier cap, the New Shimano 600EX is equipped with a spoke barrier cage to prevent the spokes from being damaged.

Front Derailleur

- 1) The Trap-Ease mechanism prevents the derailleur and chain from rattling, and improves shifting performance.
- 2) The chain guide with the dished out inner plate makes shifting to upper gears quick and smooth, and eliminates slipping.
- 3) The wide 18T capacity gives more assembling flexibility.
- 4) The forged right link and hardened steel chain guide provide strength and durability.
- 5) A helicoid is inserted with the cable-fixing screw, which prevents the screw from being destroyed by excessive torque.
- 6) The outer guide is detachable for that clean, sleek look.

Shifting Lever

- 1) A sintered alloy insert minimizes wear on the mechanism, and maintains the original smooth, stable shifting performance.
- 2) Levers designed with human-engineering contour to fit fingers comfortably.
- 3) Durable sealed mechanism.
- 4) The cap functions as a spring to prevent the bolt from loosening.

Specification (Capacity)

- Rear Derailleur ● Rear largest sprocket/28 teeth or less (RD-6207), 34 teeth or less (RD-6207GS)
● Total capacity (front difference plus rear difference)/28 teeth or less (RD-6207), 34 teeth or less (RD-6207GS)
- Front Derailleur ● Front difference/18 teeth or less

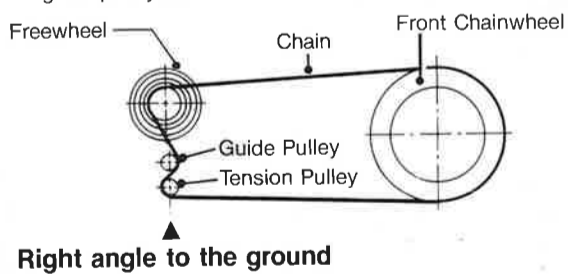
Note

- Shifting Lever operation should only be while the pedals are turning forward.
- Insufficient oil on the derailleur will impede smooth operation at times, so oil all rotating and other necessary parts at regular intervals.

Chain Assembly

In the case of a freewheel with 28 teeth or less :

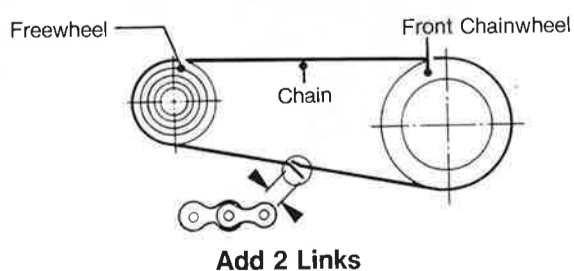
Put the chain on the smallest sprocket of the freewheel and on the largest sprocket of the front chainwheel. Adjust the length of the chain by checking that the center line connecting the rear derailleur guide pulley and the tension pulley is at right angles to the ground.



Right angle to the ground

In the case of a freewheel with 29 teeth or more :

Put the chain on the largest front chainwheel and the largest rear sprocket of the freewheel. Stretch the chain to the limit of the derailleur and add 2 chain links.



Add 2 Links

Rear Derailleur Assembly

Frame Assembly

Assemble the rear derailleur bracket axle to the fork end by means of the hexagon wrench (6 mm). At this point set the stopper plate to the tip of the fork end and tighten the bracket axle half way only. Next, push the bracket body forward so that its inside section touches the derailleur stopper of the stopper plate. When tightening is completed release the bracket body. And ensure that the stopper plate makes proper contact with the tip of the fork end. (Diagram 1).

Tightening torque: 80 ~ 100 kgfcm

Stroke Adjustment

● H (Top) Side Adjustment
Adjust the position of the guide pulley by means of adjust screw H so that it will be directly below the smallest gear of the multiple freewheel. Examine its position by looking at the freewheel from the rear (Diagram 2).

● Cable fixing
Loosen the cable fixing nut with a 6mm hexagon wrench key, monitoring the work from the top. After passing the cable through the cable stopper insert the cable end through the channel of the cable fixing bolt, and retighten the cable fixing nut (Diagram 3).

Tightening torque: 50 ~ 70 kgfcm

● L (Low) side adjustment
If the chain comes off the lowest gear (largest gear) when the shifting lever is set to the low position, turn the "L" adjusting screw in a clockwise direction until a satisfactory setting is found. Conversely, if the chain does not move to the low gear or difficulty is experienced, turn the "L" adjusting screw in an anticlockwise direction (Diagram 2).

Diagram 1

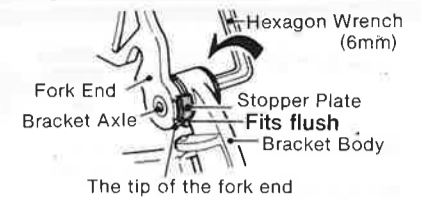


Diagram 2

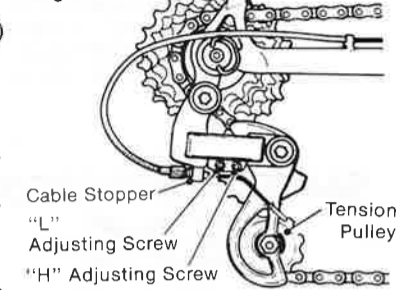
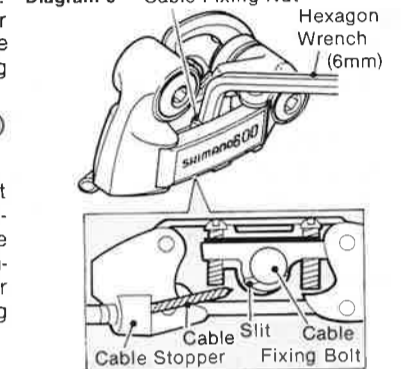


Diagram 3 Cable Fixing Nut



Front Derailleur Assembly

Assembly to Frame

1. Fix the clamp band to the seat tube temporarily by tightening the clamp bolt by hand.
2. And then adjust the clearance between the chainguide outside plate, as viewed from the side, and the front chainwheel large gear to between 2—3mm (Diagram 4).
3. Next, when seen from above, the outside face of the chainguide and the front chainwheel large gear should be parallel (Diagram 5).
4. Finally, tighten the clamp bolt by 6mm hexagon wrench spanner. Tightening torque of clamp bolt should be 60kg-cm. (5.3in·lbs.).

Tightening torque: 60 kgfcm

Stroke Adjustment

● L (Low) Side Adjustment
Put the chain on the front chainwheel small gear and the largest gear of the freewheel. Then adjust the clearance between the chain and the chainguide inside plate (A) to a minimum by turning the "L" adjusting bolt, making sure that there is no contact between the two. Turn the "L" stroke adjusting bolt in a clockwise direction for the chainguide to move toward the large gear (Diagram 6).

● Cable fixing
Align the inner cable along the channel of the cable fixing plate and set the cable to the cable fixing bolt. Pull the cable with pliers to take out the slack, and secure the cable firmly with the cable fixing bolt (Diagram 7).

Tightening torque: 50kgfcm

● When outer casing is used
Insert the cable stopper as shown in the figure (Diagram 8).

● H (Top) Side Adjustment
Put the chain on the front chainwheel large gear and on the smallest gear of the rear freewheel. Then adjust the clearance between the chain and the chainguide inside plate (B) to a minimum by turning the "H" stroke adjusting bolt, making sure there is no contact between the two. Turn the "H" stroke adjusting bolt in a clockwise direction for the chainguide to move toward the small gear (Diagram 9).

Diagram 4

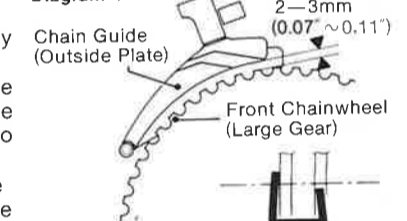


Diagram 5

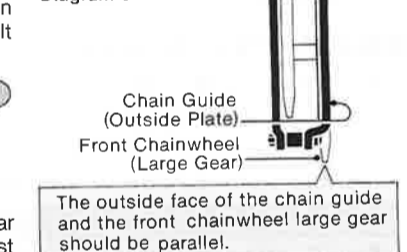


Diagram 6

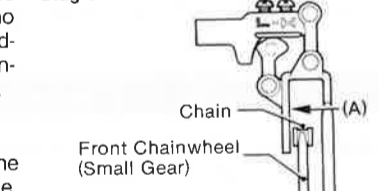


Diagram 7

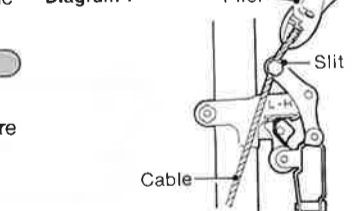


Diagram 8

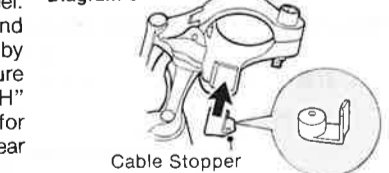
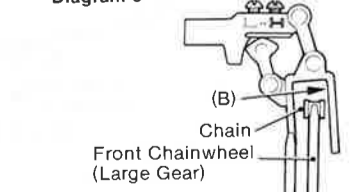


Diagram 9



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