SUNTOUR
FRONT DERAILLEUR

Model : FD-XP00-GXH (Code No.29819911)
Model : FD-XC10-GXH (Code No.29839911)
Model : FD-XL00-GXH (Code No.29849911)
Model : FD-X100-GXH (Code No.29019811)
Model : FD-CR00-GXH (Code No.29019841)
Model : FD-XE01-GXH (Code No.29869911)
Model : FD-XM01-GXH (Code No.29879911)
Model : FD-XT01-GXH (Code No.29899911)
Model : FD-XU00-GXH (Code No.29909911)
Model : FD-TP00-GXH (Code No.29889911)

INSTRUCTIONS FOR SUNTOUR FRONT DERAILLEURS

1 *DERAILLEUR INSTALLATION*

For clamp-on models, close the clamp around the seat tube and align the derailleur body so the outer cage is parallel to the large chainring. With the outer cge directly over the large chainring, confirm that there in no more than 3 mm between the lower edge of the outer cage plate and the chainring teeth. Tighten the clamp bolt to a recommended torque of 50-60 kgf. cm (figs. 1-A, 1-B).

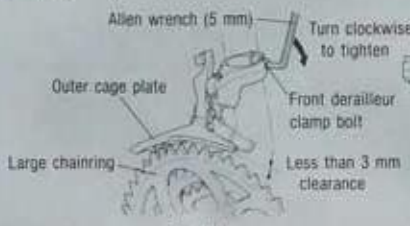


Fig. 1-A



For braze-on models, first adjust the vertical position, then the horizontal. Temporarily tighten angle adjusting bolt "B." Then, position the derailleur in the braze-on boss so the outer cage plate will be no more than 3 mm above the large chainring.
Tighten mounting bolt "A" to a recommended torque of 60-100 kgf. cm (fig. 1-C).

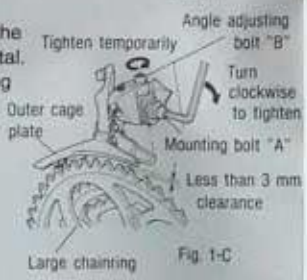


Fig. 1-C

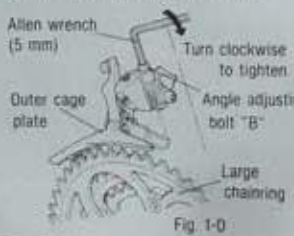


Fig. 1-D

Loosen angle adjusting bolt "B." Then, swing the cage so the outer cage plate is parallel to the large chainring. Tighten bolt "B" to a recommended torque of 120 kgf. cm (fig. 1-D).

2 *CHAIN INSTALLATION*

Install the chain in the normal fashion. If the chain is already installed, it can be fitted into the cage by removing the cage screw and placing it between the cage plates (fig. 2).

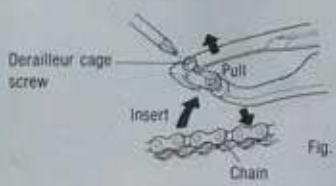


Fig. 2

3 *LOW GEAR ADJUSTMENT*

Shift the chain onto the largest freewheel cog and the small chainring. Adjust the low gear limit screw so that chain is between 0.5 and 1.0 mm away from the inner cage plate. Turning the low gear adjustment screw clockwise moves the derailleur away from the seat tube; turning the screw counter-clockwise moves the derailleur towards the seat tube (figs. 3-A, 3-B and 3-C).



Fig. 3-A

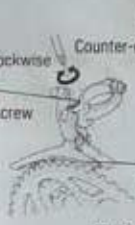


Fig. 3-B



Fig. 3-C

4 *DERAILLEUR CABLE CONNECTION*

Return the left shift lever to its low-gear position (see shift lever's instructions for details), and confirm that the cable end and cable casing ferrules (if any) are firmly seated in their sockets.
While holding the cable tight with one hand, loosen the cable anchor bolt enough to slip the derailleur cable into the small groove beneath the cable anchor washer.
Tighten the cable anchor bolt or cable anchor nut to a recommended torque of 50-60 kgf. cm (figs. 4-A, 4-B, 4-C and 4-D).

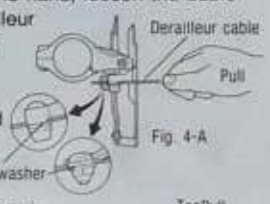


Fig. 4-A

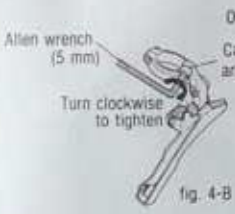


fig. 4-B

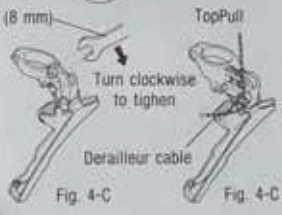


Fig. 4-C

Fig. 4-C

5 *HIGH GEAR ADJUSTMENT*

While turning the crank, shift the chain to the large chainring. Adjustment is correct when the chain has the least amount of clearance, without contacting the inner cage of the front derailleur. If the clearance between the chain and the inner cage is too much, turn the high gear adjusting screw counter-clockwise. If the chain contacts the inner cage, turn the adjusting screw clockwise (figs. 5-A, 5-B and 5-C).
Shift between the large and middle ring several times to make sure that the chain does not overshift off the large chainring. If overshifting occurs, turn the high gear adjusting screw clockwise until the overshifting stops.
After this adjustment is completed, shift the chain onto the smallest freewheel cog and check the front derailleur for chain rub at the outer cage plate. If necessary, trim with the high gear adjustment screw.

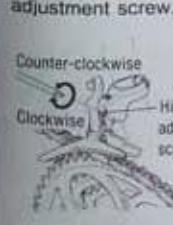


Fig. 5-A



Fig. 5-B

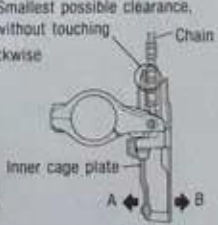


Fig. 5-C

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