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

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

Gear shifting operation

Both lever (A) and lever (B) always return to the initial position when they are released after shifting. When operating one of the levers, always be sure to turn the crank arm at the same time.

< Front >

To shift from a small chainring to a larger chainring. When lever (B) is pressed once, there is a shift of one step from a large chainring to a smaller chainring.

Example:

Intermediate chainring to largest chainring.

To shift from a large chainring to a smaller chainring. When lever (B) is pressed once, there is a shift of one step from a large chainring to a smaller chainring.

Example:

Largest chainring to intermediate chainring.

When lever (B) is operated, there is one click when trimming (the noise prevention mechanism) engages, and a second click when the next push will complete the gear shift stroke to the smaller front chainring.

Trimming (noise prevention operation)

If the chain is on the large front chainwheel and the larger rear sprocket, the chain will rub in the front derailleur plate, producing a characteristic noise. When this happens, press lever (B) lightly (to the point where it clicks), this causes the front derailleur to move slightly towards the smaller chainwheel, thereby eliminating the noise.

Installing the inner cable  < Rear >

Insert the inner cable into the outer casing from the end with the marking on it. Apply grease from the end with the marking in order to maintain cable operating efficiency.

Cutting the outer casing

When the outer casing is cut, be sure to cut at an angle so that the outer side of the hole is a uniformly circular shape.

Attach the outer end cap to the cut end of the outer casing.

Installing the inner cable  < Front >

Opening lever (B) 2 times or more, and check on the indicator that the lever is at the lowest position. Then remove the inner hole cover and connect the inner cable.

Installation of the shifting lever unit and indicator

Disassembly and reassembly should only be carried out when replacing the indicator.

1. Loosen the cable fixing bolt (nut) of the front derailleur, and then remove the cable outer casing out of the shifting lever unit in the same way as when installing the inner cable.

2. Carry out steps 1 - 2 for replacement of the indicator.

3. Remove the three shifting lever unit mounting screws, and then remove the shifting lever unit as shown in the illustration.

4. To assemble, align the shifting lever unit and the bracket and then secure the shifting lever unit mounting screws.

5. Carry out steps 3 - 4 for replacement of the indicator.

Replacement of the shifting lever unit

Disassembly and reassembly should only be carried out when replacing the shifting lever unit.

1. Loosen the cable fixing bolt (nut) of the rear derailleur, and then pull the inner cable out of the shifting lever unit in the same way as when installing the outer cable.

2. Carry out steps 1 - 2 for replacement of the indicator.

3. Remove the three shifting lever unit mounting screws, and then remove the shifting lever unit as shown in the illustration.

4. To assemble, align the shifting lever unit and the bracket and then secure the shifting lever unit mounting screws.

5. Carry out steps 3 - 4 for replacement of the indicator.

Removing the indicator

1. Remove the two indicator set screws which are securing the indicator.

2. Remove the indicator unit as shown in the illustration.

3. Operate lever (B) 2 times or more to set the lever to the lowest position.

4. After checking that the indicator needle is at the right edge, install the indicator as shown in the illustration.

5. Check the operation of the indicator. If it does not operate correctly, re-install the indicator by while taking particular note of steps 3. and 4.

Freehub FH-3300

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< Front >

To shift from a small chainring to a larger chainring. When lever (A) is pressed once, there is a shift of one step from a small chainring to a larger chainring.

Example:

Intermediate chainring to largest chainring.

To shift from a large chainring to a smaller chainring. When lever (B) is pressed once, there is a shift of one step from a large chainring to a smaller chainring.

Example:

Largest chainring to intermediate chainring.

When lever (B) is operated, there is one click when trimming (the noise prevention mechanism) engages, and a second click when the next push will complete the gear shift stroke to the smaller front chainring.

Trimming (noise prevention operation)

If the chain is on the large front chainwheel and the larger rear sprocket, the chain will rub in the front derailleur plate, producing a characteristic noise. When this happens, press lever (B) lightly (to the point where it clicks), this causes the front derailleur to move slightly towards the smaller chainwheel, thereby eliminating the noise.

Installing the inner cable  < Rear >

Opening lever (B) 2 times or more, and check on the indicator that the lever is at the lowest position. Then remove the inner hole cover and connect the inner cable.