WARNING

- Use a crew neck or long-sleeved shirt to clean the chain. Do not use alkaline-based or acid-based degreaser such as rust cleaner as it may result in damage or failure of the chain.
- If you are not careful when connecting the derailleur to the nameplate chain, you may cause the derailleur to fail.
- There are two types of named chain connecting pin available. Be sure to check the table below before selecting which pin to use. If connecting pin other than mentioned pin will be used, the derailleur will not function properly.
- If the type of chain is used, sufficient force may be required, which could cause the chain to break or fall off.

Note

- Always be sure to use the sprocket not bearing the same group mark. Never use in combination with a sprocket bearing a different group mark.
- Because the high-tension wire used in a sprocket with an internal cable routing would impair the SIS function, this type of frame should not be used.
- Use an outer casing which will have some space to spare even when the handlebar is removed. Additionally, the cable is connected when the shifting lever does not touch the bicycle frame when the handlebars are turned all the way.
- Grease the inner cable and the inside of the outer casing before use to ensure that the cable slides properly.
- Operation of the levers related to gear shifting should be made only when the front chainwheel is disengaged.
- Be sure to use the specified outer casing and the bottom bracket cable guide.
- For maximum performance we highly recommend Shimano lubricants and maintenance parts.
- Please contact a professional bicycle dealer.

Installation of the sprockets

For each sprocket, the surface that has the group mark should face outward and be positioned so that the A mark (a mark on each sprocket and the A mark) is on each sprocket and the A mark (a mark on each sprocket and the A mark) is on each sprocket the smallest sprocket is on the left side of the freewheel body and is always on the left.

Installation of the freewheel

When installing the freewheel, be sure that the derailer is not disassembled by the SIS adjustment screw coming into contact with the dropout tab.

Adjustment

1. Top adjustment

Turn the top adjustment screw to take off the pressure of the guide pulley from the rear derailleur. After this, install the chain.

2. Connecting and securing the inner cable

Operate lever (B) at least six times to set the lever to the highest position. Remove the screw, and then remove the chain. Pull out the inner cable as shown in Figure 4 and then install the new inner cable.

3. Chain length

Add 2 links (with the chain on both the largest sprocket and the largest chaining).

Checking the chain connection

For 10-cogs, insert the chain gauge (TL-CN24) into the inner link which is next to the chain connecting pin to check that the inner link is wide. If the groove is wide at one place only, the inner link is correct. For other sprockets, insert the chain gauge (TL-CN24) into the inner link which is next to the chain connecting pin to check that the inner link is correct. If the inner link is not correct, then replace the freewheel body.

Installation of the rear derailleur

When installing, be sure that derailer is not disassembled by the SIS adjustment screw coming into contact with the dropout tab.

Replacement of the freewheel body

After removing the hub axle, remove the freewheel body from the chainring and the largest sprocket. Do not attempt to disassemble the freewheel body because it may result in a malfunction.

Replacement of the indicator cable

Operate lever (B) at least six times to set the lever to the highest position. Remove the cover, and then remove the chain. Pull out the inner cable as shown in Figure 4 and then install the new inner cable.

Cutting the outer casing

When cutting the outer casing, cut off the end of the chainring and the largest sprocket. After cutting the outer casing, make the end round so that the inside of the hole has a uniform diameter.

Installing the inner cable

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

Replacement of the switch cables

Remove the switch cap and install the switch cable as shown in the illustration.

SERVICE INSTRUCTIONS

SI-R911C

Rear Drive System

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

<table>
<thead>
<tr>
<th>Series</th>
<th>Type</th>
<th>Rear Derailleur</th>
<th>Front Derailleur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shimano XT</td>
<td>7-speed</td>
<td>SRAM Force</td>
<td>Shimano XTR</td>
</tr>
<tr>
<td>Shimano Saint</td>
<td>7-speed</td>
<td>SRAM Force</td>
<td>Shimano XTR</td>
</tr>
<tr>
<td>Shimano XTR</td>
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<td>Shimano XTR</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Rear Derailleur</th>
<th>Cassette sprocket</th>
<th>Chain</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-36T</td>
<td>CS-HG930D</td>
<td>CN-T701</td>
</tr>
<tr>
<td>11-36T</td>
<td>CS-HG930D</td>
<td>CN-T702</td>
</tr>
</tbody>
</table>

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Add 2 links (with the chain on both the largest sprocket and the largest chaining).

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For 10-cogs, insert the chain gauge (TL-CN24) into the inner link which is next to the chain connecting pin to check that the inner link is wide. If the groove is wide at one place only, the inner link is correct. For other sprockets, insert the chain gauge (TL-CN24) into the inner link which is next to the chain connecting pin to check that the inner link is correct. If the inner link is not correct, then replace the freewheel body.

Installation of the freewheel

When installing, be sure that derailer is not disassembled by the SIS adjustment screw coming into contact with the dropout tab.

Adjustment

1. Top adjustment

Turn the top adjustment screw to take off the pressure of the guide pulley from the rear derailleur. After this, install the chain.

2. Connecting and securing the inner cable

Operate lever (B) at least six times to set the lever to the highest position. Remove the screw, and then remove the chain. Pull out the inner cable as shown in Figure 4 and then install the new inner cable.

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Installation of the rear derailleur

When installing, be sure that derailer is not disassembled by the SIS adjustment screw coming into contact with the dropout tab.

Replacement of the freewheel body

After removing the hub axle, remove the freewheel body from the chainring and the largest sprocket. Do not attempt to disassemble the freewheel body because it may result in a malfunction.

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