General Safety Information

WARNING

• Use neutral detergent to clean the chain. Do not use alkalai-based or acid-based detergent such as rust cleaners as it may result in damage and/or failure of the chain.
• Use the reinforced connecting pin only for connecting the narrow type of chain.
• There are two types of different reinforcing connecting pins available. Be sure to check the table below before selecting which pin to use. If connecting pins other than reinforcing connecting pins are used, or if a reinforcing pin or tool which is not suitable for the type of chain is used, sufficient connection force may not be obtained, which could cause the chain to break or fall off.

Technical Service Instructions

SI-5W50A-001

RD-M770 Rear derailleur

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

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Derailleur</td>
</tr>
<tr>
<td>Model number</td>
</tr>
<tr>
<td>Type</td>
</tr>
<tr>
<td>Geared</td>
</tr>
<tr>
<td>Total capacity</td>
</tr>
<tr>
<td>Largest sprocket</td>
</tr>
<tr>
<td>Smallest sprocket</td>
</tr>
<tr>
<td>Front chainwheel tooth difference</td>
</tr>
</tbody>
</table>

SIS Adjustment

Installation of the chain
Install the chain with the Pro-Set alignment block attached. After installing, remove the Pro-Set alignment block.

1. Low adjustment
Turn the low adjustment screw so that the guide pulley moves to a position directly in line with the largest sprocket.

2. Top adjustment
Turn the crank arm while pulling the derailleur with your hand to move the derailleur to the top position, and then turn the top adjustment screw to adjust so that the guide pulley is in line with the outer line of the smallest sprocket when looking from the rear.

Connect the inner cable to the derailer as shown in the illustration.

Connect the cable to the rear derailleur and, after taking up the inner slack in the cable, re-secure to the rear derailleur as shown in the illustration.

WARNING

If the rear derailleur moves to a large degree, such as in bicycles with rear suspension, it is recommended that you replace the chain with the accessory aluminum cap. The end of the outer casing which is not attached should be at the derailer side.

3. How to use the B-tension adjustment screw
Mount the chain on the smallest chainring and the largest sprocket, and turn the crank arm backward. Then turn the B-tension adjustment screw to adjust the guide pulley as close to the sprocket as possible but not so close that it touches. Next, set the chain on the smallest sprocket and repeat the above to make sure that the pulley does not touch the sprocket.

4. SIS Adjustment
Push lever while turning the crank arm to move the derailleur to the largest sprocket when operate lever once, turn derailer to the 2nd-gear sprocket. After this, operate lever just as far as the extent of play, and then turn the crank arm.

Best setting
The best setting is when the cable adjustment bolt is tightened (turned clockwise) until noise occurs without lever being operated, and then loosened (turned counterclockwise) 90 - 180 degrees from that point.

For the best SIS performance, periodically lubricate all power-transmission parts.

SHIMANO

SHIMANO AMER/CANADA Inc.
One Heritage Drive, Suite 100, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE B.V.
St.-Clemensstraat 4, 2597AT Barendrecht, The Netherlands. Phone: +31-77-5551202

SHIMANO INC.
3-77 Oimatsu-cho, Sakai-ku, Sakai-shi, Osaka 590-8577, Japan

This service instruction explains how to use and maintain the Shimano bicycle parts which have been used on your new bicycle. For any questions regarding your bicycle or other matters which are not related to Shimano, please contact the place of purchase or the bicycle manufacturer.

© 2007 by Shimano Inc. INC. SHIMANO Printed in Japan.

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

The length of A will vary depending on the movement of the rear suspension. Because of this, an excessive load may be placed on the drive system if the chain length is too short. Set the length of the chain by adding two links to the chain when the rear suspension is at a position where dimension A’ is longest and the chain is on the largest sprocket and the largest chainring. If the amount of movement of the rear suspension is large, the slack in the chain may not be taken up properly when the chain is on the smallest chainring and smallest sprocket.

Connecting part

Cutting the outer casing
When cutting the outer casing, cut the opposite end to the end with the marking. After cutting the outer casing, make the end round so that the inside of the hole has a uniform diameter.

The sealed cap with tonge and the rubber shield should be installed to the outer casing stopper of the frame.

WARNING

* Be careful not to bend the seal.

This manual was generated without Indian (English) © Feb 2007 by Shimano Inc. INC. SHIMANO Printed in Japan.