**WARNING**

“Maintenance interval depends on the usage and riding circumstances. Clean regularly the chain with an appropriate chaincleaner. Never use alkali based or acid based solvents such as rust cleaners. If so, the chain might break and cause serious injury.”

- Use the reinforced connecting pin only for connecting the narrow type of chain.
- If connecting pins other than reinforced connecting pins are used, or if a reinforced connecting 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.

1. Top adjustment

- Turn the top adjustment screw to adjust so that the guide pulley is below the outer line of the smallest sprocket when looking from the rear.

2. Connection and securing of the cable

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

3. Low adjustment

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

4. How to use the B-tension adjustment screw

- Mount the chain on the smallest chaining 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 to the smallest sprocket and repeat the above to make sure that the pulley does not touch the sprocket.

5. SIS Adjustment

- Operate the shifting lever several times to move the chain to the 2nd sprocket. Then, while pressing the lever just enough to take up the play in the lever, turn the crank arm.

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**Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>S5</th>
<th>GS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total capacity</td>
<td>29 teeth or less</td>
<td>37 teeth or less</td>
</tr>
<tr>
<td>Largest sprocket</td>
<td>27T</td>
<td>27T</td>
</tr>
<tr>
<td>Smallest sprocket</td>
<td>11T</td>
<td>11T</td>
</tr>
<tr>
<td>Front chainwheel tooth difference</td>
<td>16 teeth or less</td>
<td>22 teeth or less</td>
</tr>
</tbody>
</table>

**Chain installation on the rear derailleur**

- When installing, be careful that deformation is not caused by the tension adjustment screw coming into contact with the dropout tab.

**5-speed outer chain**

- In case of a triple front chainwheel

**Technical Service Instructions**

**General Safety Information**

- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.
- Make sure that the connecting pin is aligned with the outer link surface from the side that the pin is inserted. It should feel smooth and flush when you run your fingers over it. The pin will protrude slightly on the backside after the break off pin is removed.
- If it is necessary to adjust the length of the chain due to a change in the number of sprocket teeth, make the cut at some other place than the place where the chain has been joined using a reinforced connecting pin. The chain will be damaged if it is cut at a place where it has been joined with a reinforced connecting pin.
- Check that the tension of the chain is correct and that the chain is not damaged. If the tension is too weak or the chain is damaged, the chain should be replaced. If this is not done, the chain may break and cause serious injury.
- Obtain and read the service instructions carefully prior to installing the parts. Loose, worn or damaged parts may cause the bicycle to fall over and serious injury may occur as a result. We strongly recommend only using genuine Shimano replacement parts.
- Obtain and read the service instructions carefully prior to installing the parts. If adjustments are not carried out correctly, the chain may come off and this may cause you to fall off the bicycle which could result in serious injury.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference.

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*Service Instructions in further languages are available at: http://techdocs.shimano.com*