#### **General Safety Information**

#### A WARNING

Use neutral detergent to clean the chain. Do not use alkali-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 different types of reinforced connecting pins available. Be sure to check the table below before selecting
- which pin to use. 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

Chain	Reinforced connecting pin	Chain tool
9-speed super narrow chain such as CN-7701 / CN-HG93	Silver	TL-CN32 / TL-CN23
8-/7-/6-speed narrow chain such as CN-HG50 / CN-IG51	Black	TL-CN32 / TL-CN23

- 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 or an end pin. The chain will be damaged if it is cut at a place where it has been joined with a reinforced connecting pin or an end 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

**Technical Service Instructions** 

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 parts, please contact the place of purchase or the bicycle manufacturer

- done, the chain may break and cause serious injury. Check that the wheels are fastened securely before riding the bicycle. If the wheels are loose in any way, they may come off Obtain and read the service instructions carefully prior to installing the parts. Loose, worn, or damaged parts may cause
- iniury to the rider. We strongly recommend only using genuine Shimano replacement parts.
- Read these Technical Service Instructions carefully, and keep them in a safe place for later reference

#### Note

- The reinforced connecting pins cannot be used with the UG chain, otherwise the connections will not move properly and noise will occur
- If gear shifting operations do not feel smooth, wash the derailleur and lubricate all moving parts.
- If the amount of looseness in the links is so great that adjustment is not possible, you should replace the derailleur
- You should periodically clean the derailleur and lubricate all moving parts (mechanism and pulleys)
- If gear shifting adjustment cannot be carried out, check the degree of parallelism at the rear end of the bicycle. Also check if
- If you hear abnormal noise as a result of looseness in a pulley, you should replace the pulley.
  If the wheel becomes stiff and difficult to turn, you should lubricate it with grease.
- Do not apply any oil to the inside of the hub, otherwise the grease will come out.
- You should periodically wash the sprockets in a neutral detergent and then lubricate them again. In addition, cleaning the
  chain with neutral detergent and lubricating it can be a effective way of extending the useful life of the sprockets and the chain.
- If the chain keeps coming off the sprockets during use, replace the sprockets and the chain.
- Use an outer casing which still has some length to spare even when the handlebars are turned all the way to both sides. Furthermore, check that the shifting lever does not funct 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 they slide properly • Use a frame with internal cable routing is strongly discouraged as it has tendencies to impair the SIS shifting function due to its high cable resistance.
- Operation of the levers related to gear shifting should be made only when the front chainwheel is turning.
   For smooth operation, use the specified outer casing and bottom bracket cable guide.
- To ensure the best performance, be sure to use only the specified type of chain. The wide type chain cannot be used.
   For maximum performance we highly recommend Shimano lubricants and maintenance products.
- Parts are not guaranteed against natural wear or deterioration resulting from normal use

**Rear Drive System** 

• For any questions regarding methods of installation, adjustment, maintenance or operation, please contact a professional bicycle dealer.

### Specifications

Shifting lever		
Model number	SL-TX50-7 / SL-TX30-7	SL-TX50-6 / SL-TX30-6
Gears	SIS 7 - gears	SIS 6 - gears

#### Rear derailleur

Model number	RD-TX70	RD-TX50	RD-TX30	RD-	TY18	RD-FT30
Туре	Smartcage	Smartcage	Smartcage	GS	SS	SS
Gears	7/6	7/6	7/6	6	6	7/6
Total capacity	43T	43T	43T	34T	28T	17T
Rear largest sprocket	28-34T	28-34T	28-34T	28T	28T	28T
Rear smallest sprocket	11T	11T	11T	14T	14T	11T
Front chainwheel tooth difference	20T	20T	20T	20T	13T	

#### Sprocket tooth configurations

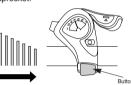
Gears	7	6		
Tooth combination	11, 13, 15, 18, 21, 24, 28T 14, 16, 18, 20, 22, 24, 28T	14, 16, 18, 20, 22, 24T 14, 16, 18, 21, 24, 28T		

#### Gear shifting operation

To shift from a smaller sprocket to a larger sprocket [Lever]



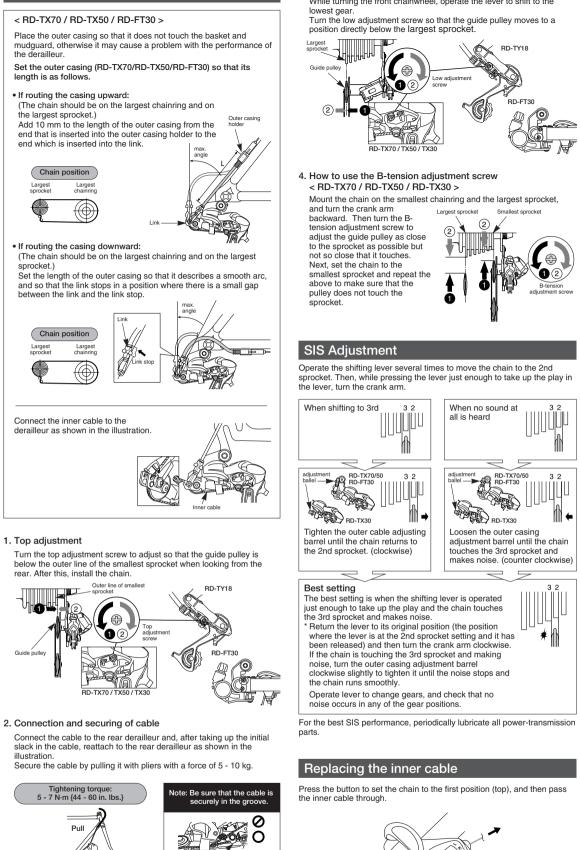
To shift from a larger sprocket to a smaller sprocket [Button] Press button once and then release it to shift one step from a larger to a smaller sprocket.

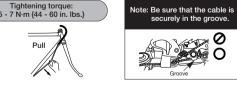


derailleur as shown in the illustration



rear. After this, install the chain,

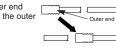




#### Inserting the inner cable Insert the inner cable into the outer casing from the end with the marking on it. Apply grease from the end with the marking in order to maintain cable operating efficiency.

Cutting the outer casing When 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.

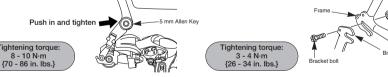
Attach the same outer end cap to the cut end of the outer casing.



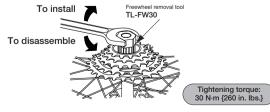
SHIMANO AMERICAN CORPORATION One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003 SHIMANO EUROPE B.V. SHIMANO INC.

eweg 24, 8071 CT Nunspeet, The Netherlands Phone: +31-341-272222 o, Sakai-ku, Sakai-shi, Osaka 590-8577, Japa nent without notice. (English)

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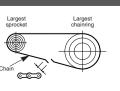


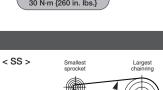
#### Installation of the freewheel



#### Chain length

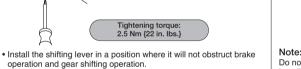
< GS > Add 2 links (with the chain on both the largest sprocket and the largest chainring)



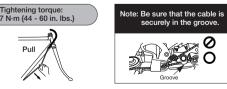


Right angle to the ground





Do not use in a combination which causes brake operation to be







# Installation of the rear derailleur

SI-6DH0B Direct-mount type

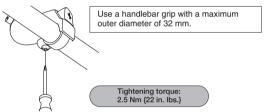
Tourney

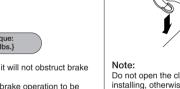
## In order to realize the best performance, we recommend that the following combination be used.

Series		Tourney			
Gears		7 - gears	6 - gears		
Shifting lever	Right	SL-TX50-7 SL-TX30-7	SL-TX50-6 SL-TX30-6		
Outer casing		SIS	SIS		
Rear derailleur		RD-TX70/RD-TX50 RD-TX30 RD-FT30	RD-TX70/RD-TX50 RD-TX30/RD-TY18 RD-FT30		
Multiple freewheel		MF-HG50 (11-28T) MF-HG37/TZ07	MF-HG22 MF-TZ06		
Chain		CN-UG51 / CN-HG50 / CN-HG40	CN-UG51 / CN-HG50 / CN-HG40		
Bottom bracket cable guide		SM-SP18/BT18	SM-SP18/BT18		

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# Mounting the shifting lever





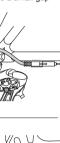
installing, otherwise the cover may be

damaged.

Do not open the clamp of the lever when

### Cable securing and stroke adjustment











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#### 3. Low adjustment

While turning the front chainwheel, operate the lever to shift to the

