

Dealer's Manual

ROAD	GRAVEL	MTB
E-BIKE	LIFESTYLE	GENERAL

Cassette Sprocket

Non-series

CS-LG700-11

CS-LG400-11

CS-LG400-10

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IMPORTANT NOTICE

- This dealer's manual is intended primarily for use by professional bicycle mechanics.
Users who are not professionally trained for bicycle assembly should not attempt to install the components themselves using the dealer's manuals.
If any part of the information on the manual is unclear to you, do not proceed with the installation. Instead, contact your place of purchase or a distributor for assistance.
- Make sure to read all manuals included with each product.
- Do not disassemble or modify the product other than as stated in the information contained in this dealer's manual.
- All manuals and technical documents are accessible online at <https://si.shimano.com> .
- For consumers who do not have easy access to the internet, please contact a SHIMANO distributor or any of the SHIMANO offices to obtain a hardcopy of the user's manual.
- Please observe the appropriate rules and regulations of the country, state or region in which you conduct your business as a dealer.

For safety, be sure to read this dealer's manual thoroughly before use, and follow it for correct use.


The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings.

The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

 DANGER	Failure to follow the instructions will result in death or serious injury.
 WARNING	Failure to follow the instructions could result in death or serious injury.
 CAUTION	Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings.

TO ENSURE SAFETY

WARNING

- Be sure to follow the instructions provided in the manuals when installing the product.
Only use SHIMANO genuine parts. If a component or replacement part is incorrectly assembled or adjusted, it can lead to component failure and cause the rider to lose control and crash.
-  Wear approved eye protection while performing maintenance tasks such as replacing components.

Be sure to also inform users of the following:

- Clean the chain and QUICK-LINK with an appropriate chain cleaner regularly. Intervals between maintenance depend on the use and riding circumstances. Never use alkali- or acid-based solvents such as rust cleaners. If those solvents are used the chain or QUICK-LINK might break and cause serious injury.
- When removing the lock ring, wear gloves and eye protection, and gradually apply force. A sudden release of resistance on the lock ring may cause serious injury.

NOTICE

Be sure to also inform users of the following:

- If the chain keeps skipping during use, consult the place of purchase.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend SHIMANO lubricants and maintenance products.

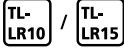
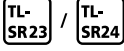

For installation to the bicycle and maintenance

- The sprockets should be periodically washed with a neutral detergent then lubricated. In addition, cleaning the chain and QUICK-LINK with a neutral detergent and lubricating them can be an effective way of extending the life of the chain and QUICK-LINK.
- Always use the recommended combination of sprockets.
- Always use CS-LG700 / CS-LG400 / CS-LG300 in combination with HG-X 11-speed chains, or with the CN-LG500. Other chains cannot be used because the dimensions do not match.
- Before using the CS-LG700 / CS-LG400 / CS-LG300 and other LINKGLIDE products, check the combinations listed in the compatibility information. Please refer to [this link](#) for compatibility information.

The actual product may differ from the illustration because this manual is intended mainly to explain the procedures for using the product.

List of tools to be used

The following tools are needed for installation/removal, adjustment, and maintenance purposes.

Tool	
 TL-LR10 / TL-LR15	TL-LR10 / TL-LR15
 TL-SR23 / TL-SR24	TL-SR23 / TL-SR24
	Adjustable wrench

Installation/removal

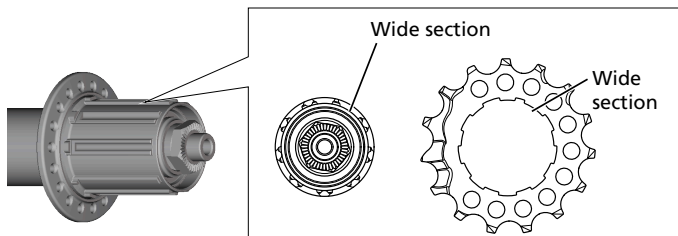
Installing the cassette sprocket

1. Place the sprockets on the freewheel body unit.

Place the sprockets in descending order from the largest sprocket.

Place the sprockets so that the wide convex section of the sprocket is aligned with the wide groove in the freewheel body unit.

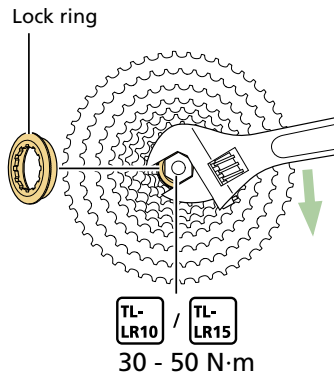
The marked side of the sprockets must be facing outward.



TECH TIPS

- There is only one wide groove area on the freewheel body unit and on each sprocket. Check when setting the sprockets.

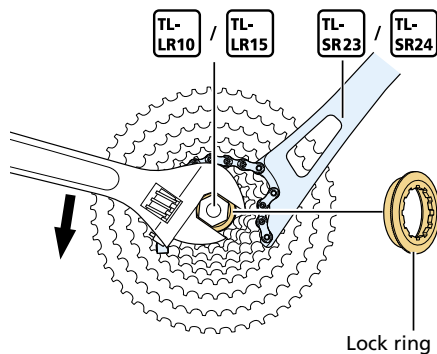
2. Place the lock ring on the freewheel body unit and tighten the lock ring.



Removing the cassette sprocket

1. Remove the lock ring.

Place the TL-SR23 / TL-SR24 on a sprocket smaller than the middle sprocket to secure the assembly, as shown. If you place the TL-SR23 / TL-SR24 on a larger sprocket, it may become unstable.



⚠ WARNING

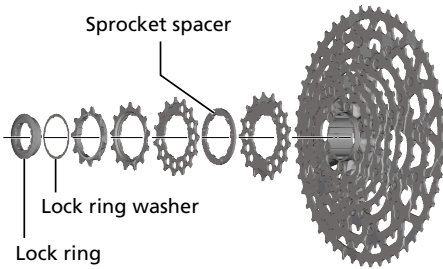
- When removing the lock ring, wear gloves and eye protection, and gradually apply force. A sudden release of resistance on the lock ring may cause serious injury.

2. Remove the cassette sprocket from the freewheel body unit.

Sprocket pattern

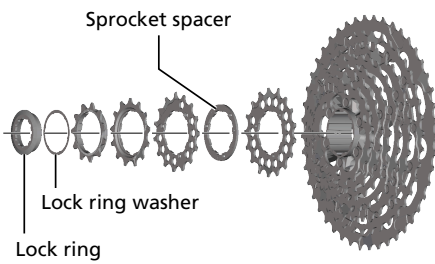
CS-LG700-11

11-50T



11-50T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 36 - 43 - 50 T
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11-45T



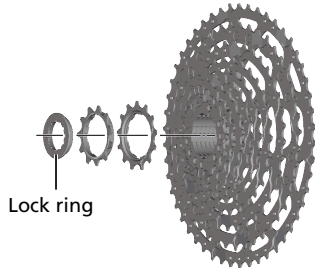
Installation/removal

Sprocket pattern

11-45T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 34 - 39 - 45	T
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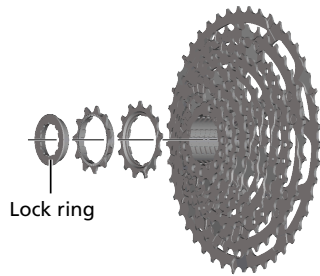
CS-LG400-11

11-50T



11-50T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 36 - 43 - 50	T
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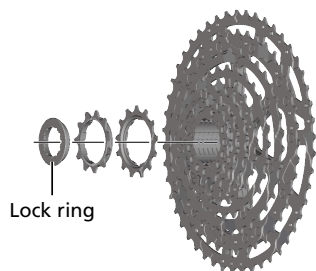
11-45T



11-45T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 34 - 39 - 45	T
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CS-LG400-10

11-48T

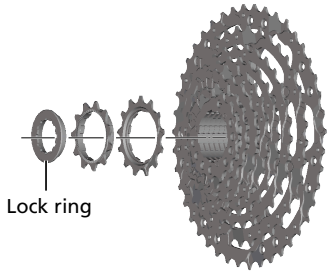


Installation/removal

Sprocket pattern

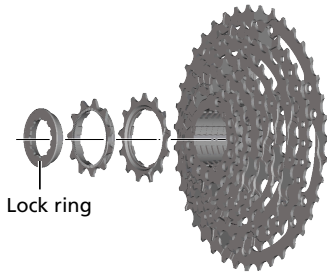
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11-43T



11-43T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 36 - 43	T
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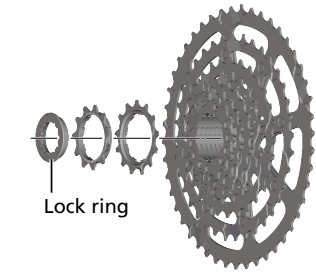
11-39T



11-39T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 34 - 39	T
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CS-LG400-9

11-46T

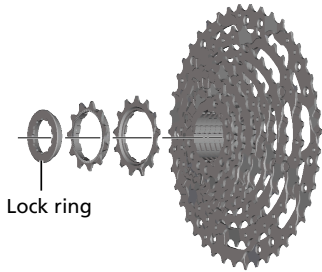


Installation/removal

Sprocket pattern

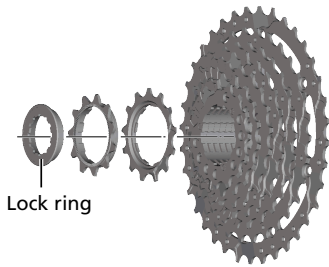
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11-41T



11-41T	11 - 13 - 15 - 17 - 20 - 23 - 28 - 34 - 41	T
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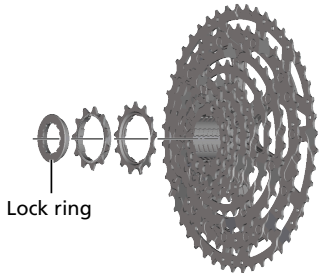
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11-36T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 36	T
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CS-LG300-10

11-48T

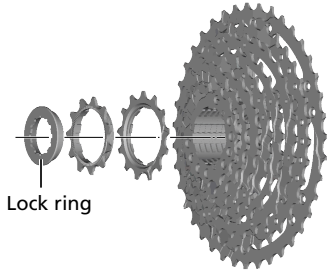


Installation/removal

Sprocket pattern

11-48T	11 - 13 - 15 - 17 - 20 - 23 - 28 - 34 - 41 - 48	T
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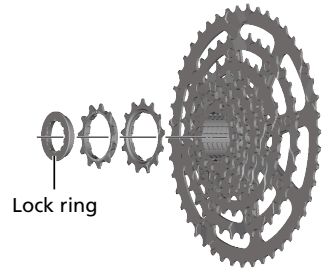
11-39T



11-39T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 34 - 39	T
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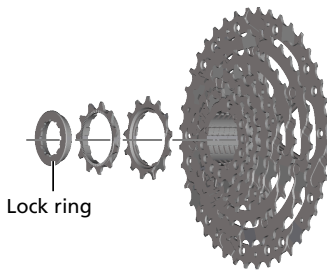
CS-LG300-9

11-46T



11-46T	11 - 13 - 15 - 17 - 20 - 23 - 28 - 36 - 46	T
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11-41T

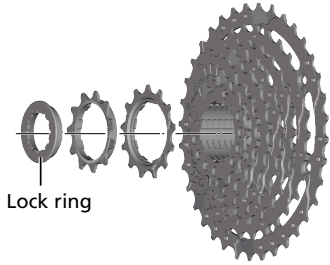


Installation/removal

Sprocket pattern

11-41T	11 - 13 - 15 - 17 - 20 - 23 - 28 - 34 - 41	T
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11-36T



11-36T	11 - 13 - 15 - 17 - 20 - 23 - 26 - 30 - 36	T
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