

Dealer's Manual

ROAD	GRAVEL	MTB
E-BIKE	LIFESTYLE	GENERAL

M9200 Technical Tips

Contents

Pairing System.....	4
Pairing Shift Switch with Rear Derailleur	4
• Wireless (Shift Switch and Rear Derailleur only)	4
• Wireless (with E-TUBE PROJECT Cyclist)	4
• Re-pairing Shift Switch with Rear Derailleur	5
Rear Derailleur	6
RD-M9250-xx / RD-M9260-xx	6
• Derailleur hanger	6
• Mounting torque	6
• Chain length	6
• High limit adjustment	8
• Pulley sets	8
Rear Derailleur for MTB.....	10
RD-M9250-xx	10
• Checking the battery level (BT-DN320)	10
• Removing the battery	10
• Charging the battery (Battery Charger:EC-DN100)	11
• Battery installation	12
• Front chain line	13
• E-BIKE mode	13
Rear Derailleur for E-BIKE.....	14
RD-M9260-xx	14
• Power supply from E-BIKE battery	14
• Protective sleeve for the electric wire to the rear derailleur	14
• Individual package	14
Shift Switch	15
SW-M9250-xx.....	15
• Adjusting the switch angle	15
• Changing the switch operations	15
• Checking the coin battery level	15
• Replacing the coin batteries (CR1632)	16
Cassette	17
CS-M9200-12 (HYPERGLIDE+).....	17

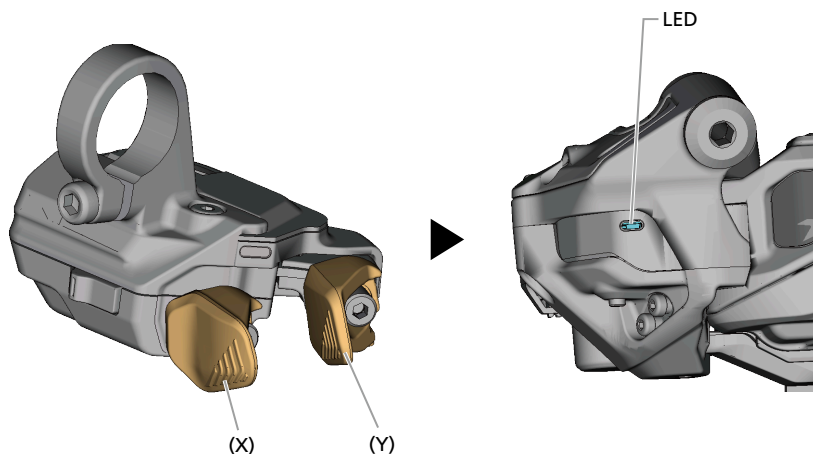
• Compatible with MICRO SPLINE	17
• TL-LR021 for 9-45T Cassette	17
• 9-45T cassette is not E-BIKE compatible	17
Wheel / Hub	18
TL-HB017 to replace the bearings.....	18
Hydraulic Disc Brake	19
SHIMANO Low Viscosity Oil.....	19
Bleed spacer and pad spacer for BR-M9220	20

Pairing System

Pairing Shift Switch with Rear Derailleur

Wireless (Shift Switch and Rear Derailleur only)

1. **Press and hold (X) and (Y) together on the shift switch until the LED of the rear derailleur lights solid blue.**
If you are using the RD-M9260, turn ON the power of the E-BIKE first.
For information on the power operations, refer to the SHIMANO E-BIKE SYSTEMS User's Manual, etc.



2. **Press and hold (X) and (Y) together on the shift switch again while the LED of the rear derailleur is solid blue.**
Remove your fingers from (X) and (Y) after confirming that the LED of the rear derailleur quickly flashes blue then returns to solid blue.
3. **Press the function button of the rear derailleur.**
When the LED flashes green several times, pairing is complete.

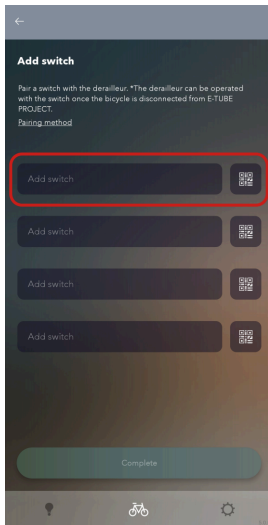
Wireless (with E-TUBE PROJECT Cyclist)

1. **Connect the rear derailleur and E-TUBE PROJECT Cyclist using Bluetooth® LE.**
2. **Scan QR code or enter the product serial ID.**



Pairing System

Pairing Shift Switch with Rear Derailleur



Re-pairing Shift Switch with Rear Derailleur

Note: Before re-pairing, the shift switch and rear derailleur must be unpaired with E-TUBE PROJECT. Then follow the same pairing procedure as above.

Rear Derailleur

RD-M9250-xx / RD-M9260-xx

Derailleur hanger

RD-M9250-xx and RD-M9260-xx are optimized for the updated derailleur hanger dimensions.

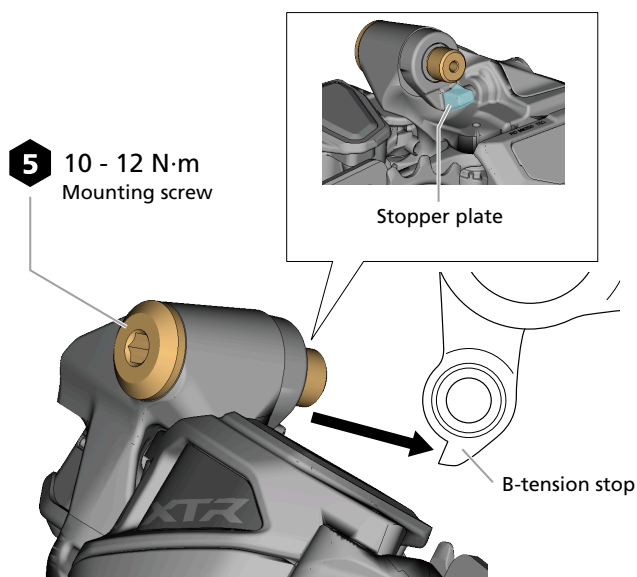
However, they are almost the same dimensions as the conventional MTB derailleur hangers.

RD-M9250 is compatible with standard modern mountain bike derailleur hangers and UDH standard derailleur hanger.

If a derailleur hanger does not conform to the dimensions, optimum shifting performance of SHIMANO INDEX SYSTEM may not be obtained.

If there is any concern about the dimensions, please check with the bicycle manufacturer or supplier.

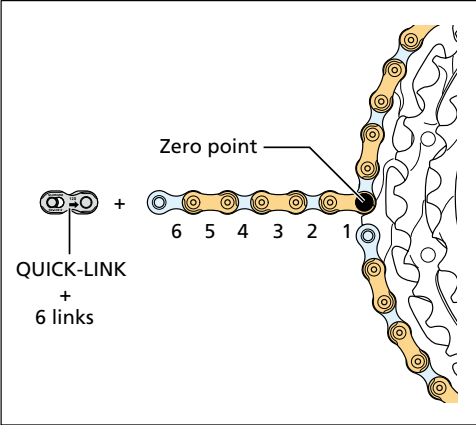
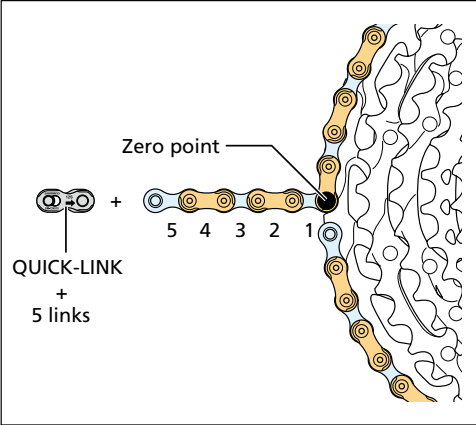
Mounting torque



Chain length

RD-M9250-xx / RD-M9260-12

- QUICK-LINK

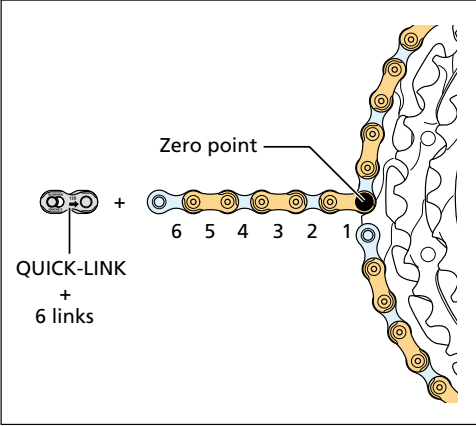
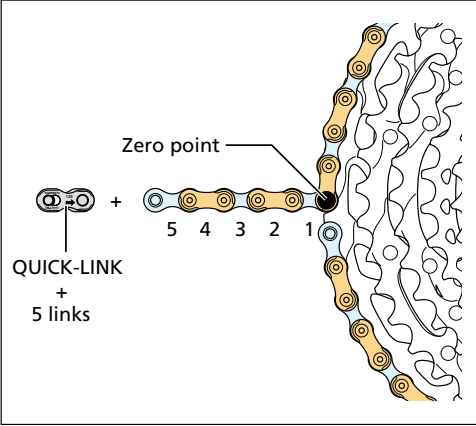


Bike type	Number of links added
Hardtail bikes	5 to 6 links + a QUICK-LINK
Full suspension bikes	

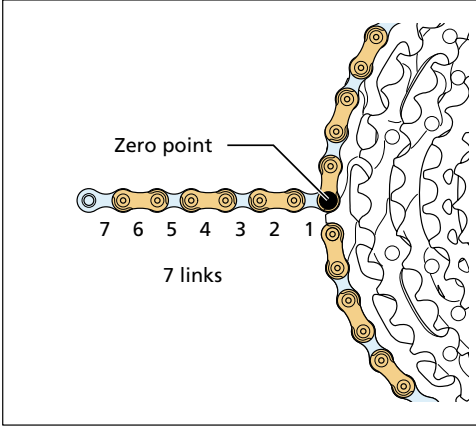
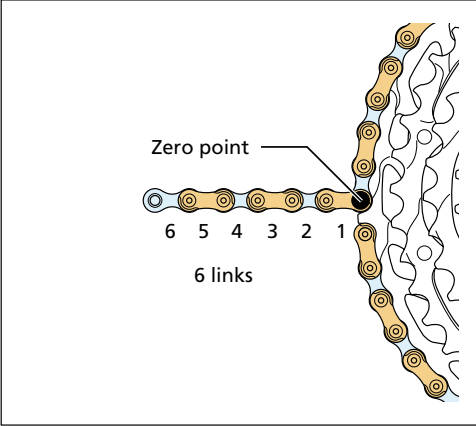
For full suspension bikes, check the length of the chain with the suspension in its fully extended position.

RD-M9260-11L

- QUICK-LINK



- Connecting pin



Bike type	Number of links added
Hardtail bikes	5 to 6 links + a QUICK-LINK
Full suspension bikes *	6 to 7 links + a connecting pin **

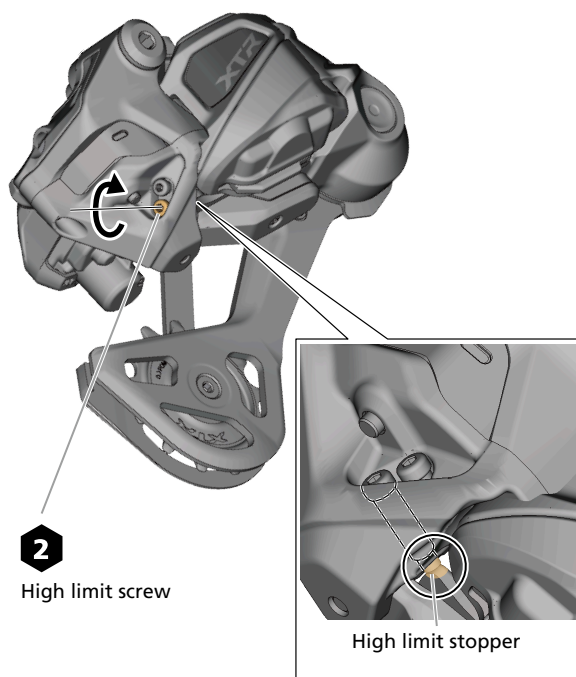
* For full suspension bikes, check the length of the chain with the suspension in its fully extended position.

** The connecting pin type chain can be used for RD-M9260-11L.

High limit adjustment

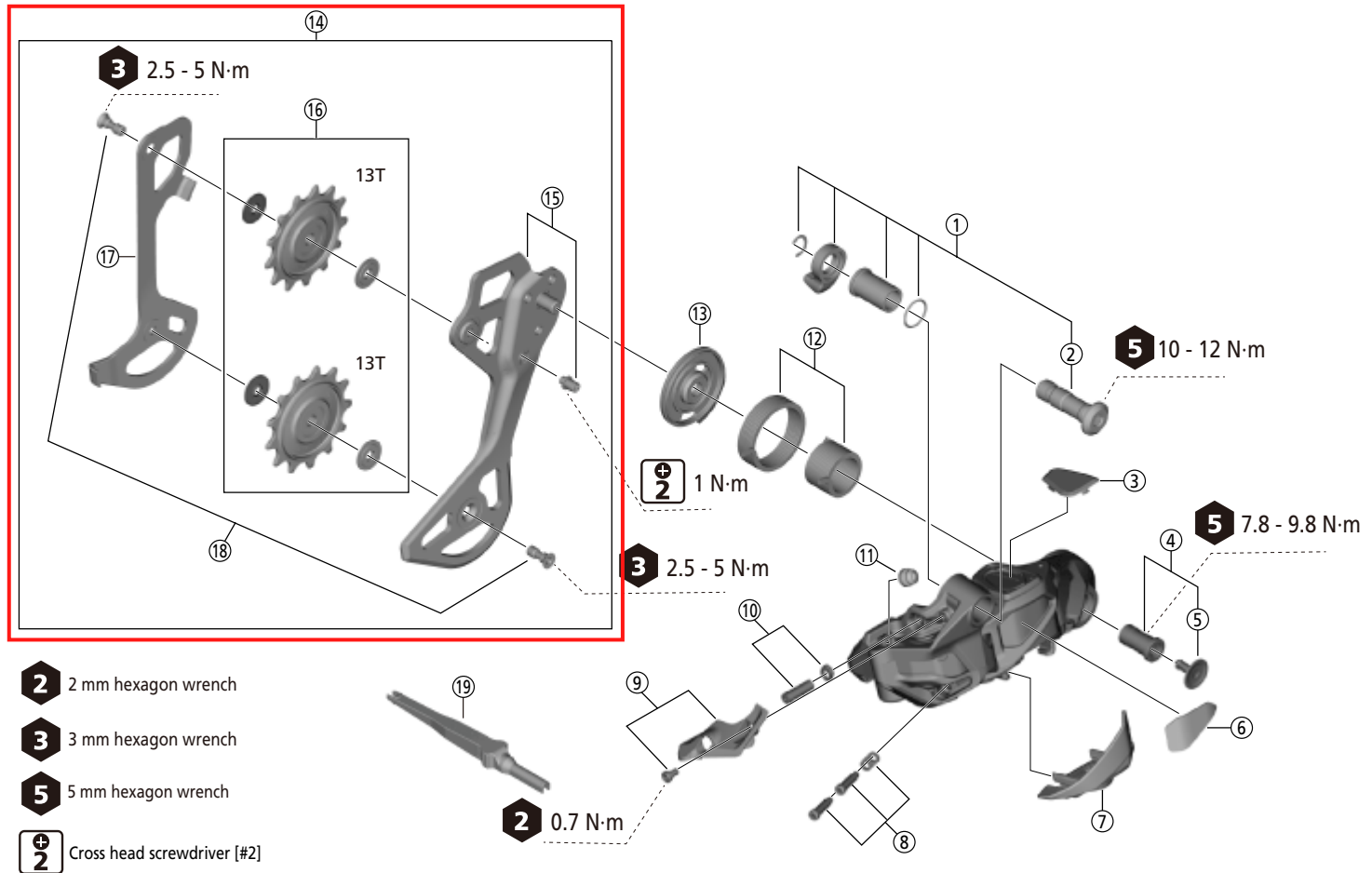
Adjust the high limit.

1. Shift the rear derailleur to the smallest sprocket.
2. Tighten the high limit screw until it just touches the high limit stopper.



Pulley sets

1. #14 on the exploded view shows that inner cage, outer cage, and pulley set are sold as a kit/unit.
2. The length of the pulley cage for RD-M9250-xx can be changed between SGS and GS. The cage length setting must be changed in E-TUBE PROJECT Professional when the cage on the rear derailleur is changed.



ITEM NO.	SHIMANO CODE NO.	DESCRIPTION	INTERCHANGEABILITY		
			RD-M9100	RD-U8050	
1	Y3K798010	Mounting screw unit			
2	Y3K79801T	Mounting screw			
3	Y3K79802T	Outer link cap			
4	Y3K798020	Plate axle and cap			
5	Y3K79803T	Plate axle cap			
6	Y3K79804T	Name plate			
7	Y3K798030	Battery holder			
8	Y3K798040	Stroke adjusting screws and plate			
9	Y3K798050	Cable cover and fixing screw			
10	Y3K798060	End adjust screw and plate			
11	Y3KR9801T	Boot		A	
12	Y3K798070	Plate tension spring unit			
13	Y3K79805T	Plate bumper			
14	Y3K798080	Plate unit (GS)			
	Y3K798090	Plate unit (SGS)			
15	Y3K798100	Outer plate assembly (GS)			
	Y3K798110	Outer plate assembly (SGS)			
16	Y3K798120	Pulley set			
17	Y3K79806T	Inner plate (GS)			
	Y3K79807T	Inner plate (SGS)			
18	Y5XX98130	Pulley screw (2 pcs.)	A		
19	Y7HE40000	TL-EW300 Plug tool		A	

A: Same parts.

B: Parts are usable, but differ in materials, appearance, finish, size, etc.

Absence of mark indicates non-interchangeability.

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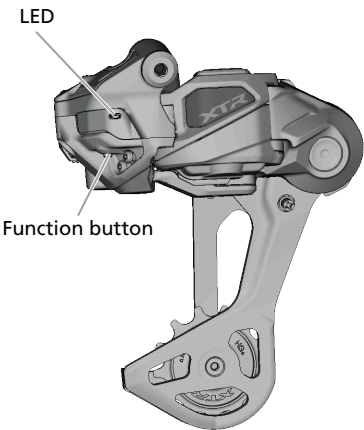
© Shimano Inc. I

Rear Derailleur for MTB

RD-M9250-xx

Checking the battery level (BT-DN320)

Single-click the function button.

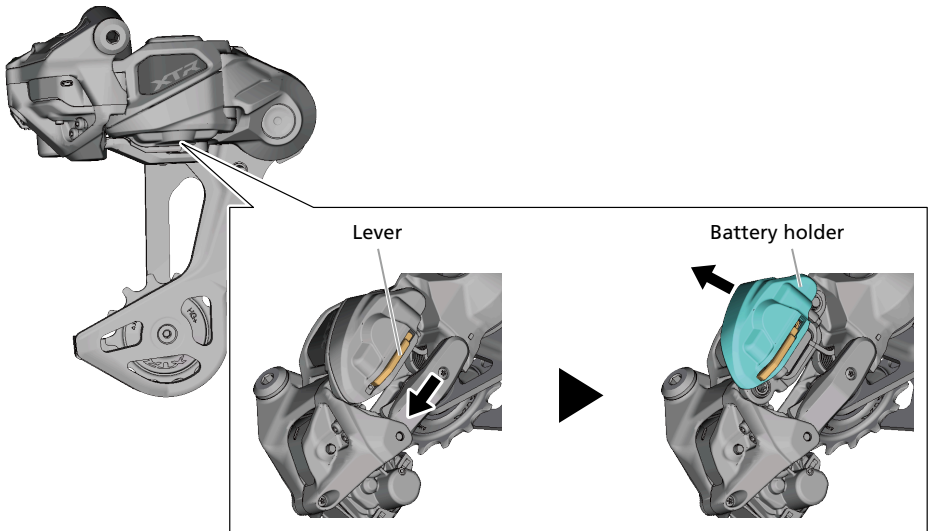


Function button operation	LED	
Single-click	●	Solid green: 51 - 100%
	⬢	Flashing green: 26 - 50%
	●	Solid red: 1 - 25%
	○	Off: 0%

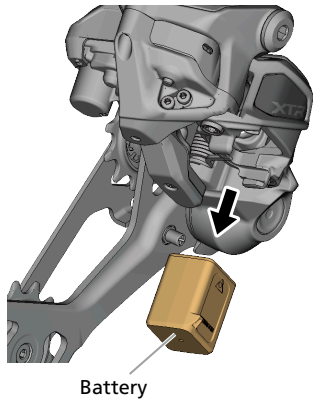
Removing the battery

Removal method

1. Pull the lever in the direction of the arrow, then slide out the battery holder.

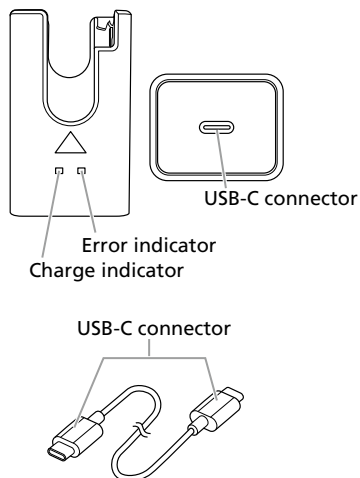


2. Remove the battery from the rear derailleur.



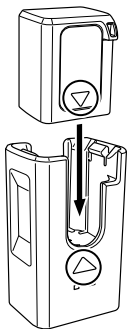
Charging the battery (Battery Charger:EC-DN100)

Names of parts

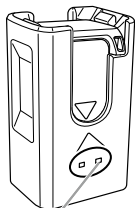


Charging method

1. Insert the battery with the Δ mark of the battery charger aligned with the Δ mark of the battery. Then, push it in firmly until you feel a click.



2. Connect the USB cable to the USB connector of the battery charger. After charging has started, the charge indicator (orange) lights up.



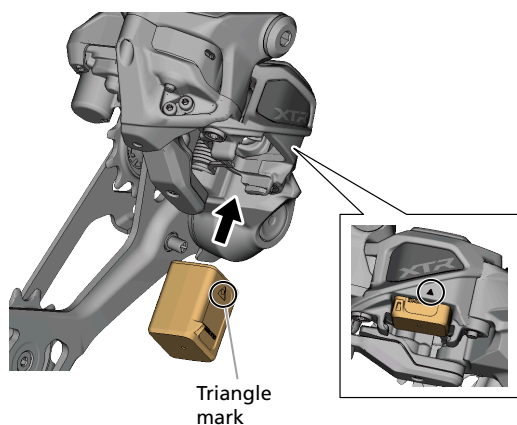
If charging is not possible, the error indicator on the battery charger will flash.

* The charging time is about 1 hour depending on the remaining battery level, specifications of the AC adapter and the ambient temperature.

Battery installation

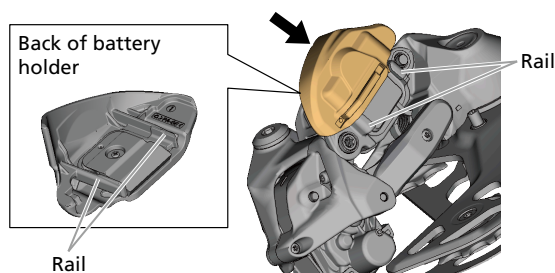
Procedure

1. Install the battery to the rear derailleur, with the triangle mark of the battery facing outward, as indicated in the figure.



2. Install the battery holder.

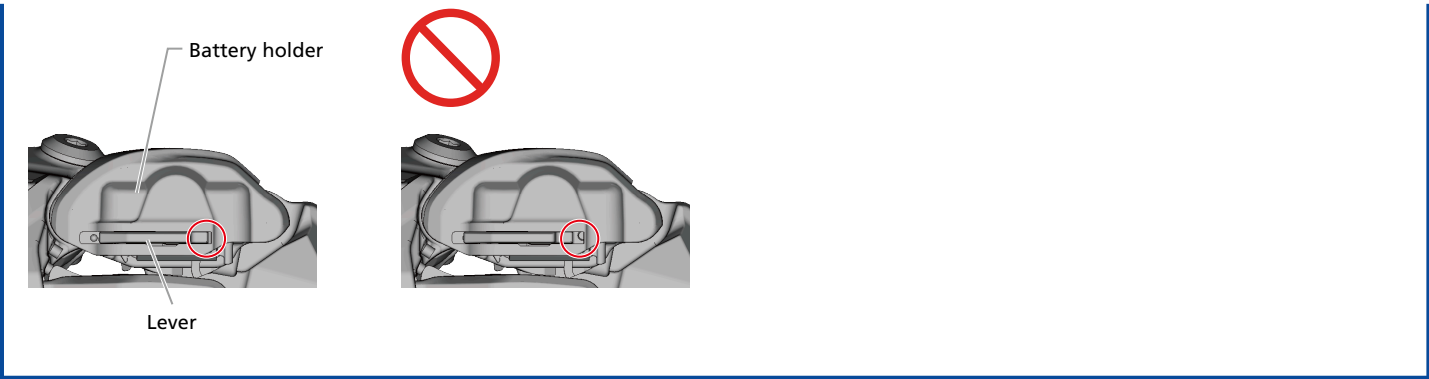
Align the rails of the battery holder and rear derailleur, and slide the battery holder in. Then, push it in firmly until you feel a click.



3. Check that the rear derailleur operates normally.

NOTICE

- After installing the battery holder, check the position of the lever.



Front chain line

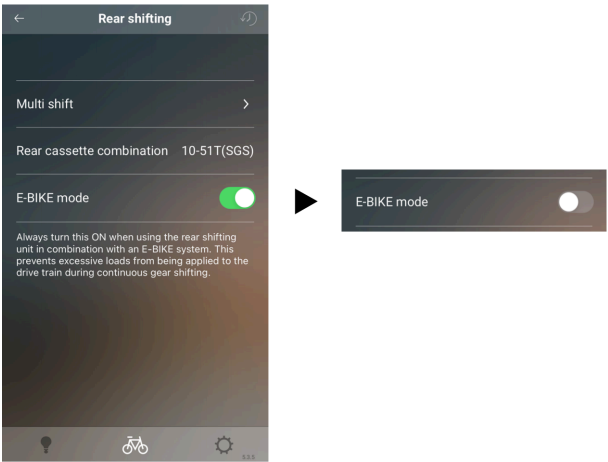
RD-M9250-xx are optimized for the chain line 55 mm and O.L.D. 148 mm.

Although it may not be possible to get the full performance of the product, it can be used under the following conditions.

	Chain line (mm)	O.L.D. (mm)
Can be used	52	142
	52	148
Optimal	55	148
Can be used	55	157

E-BIKE mode

E-BIKE mode is ON by default. In case of non-E-BIKE, please turn it OFF with E-TUBE PROJECT Cyclist.



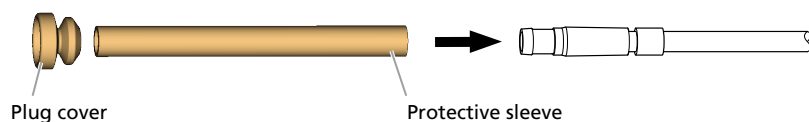
Rear Derailleur for E-BIKE

RD-M9260-xx

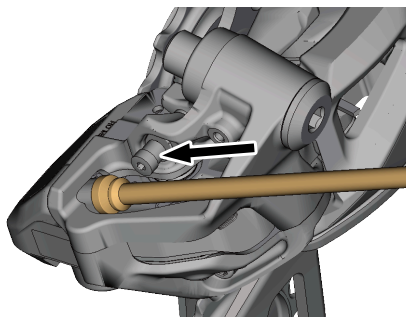
Power supply from E-BIKE battery

Protective sleeve for the electric wire to the rear derailleur

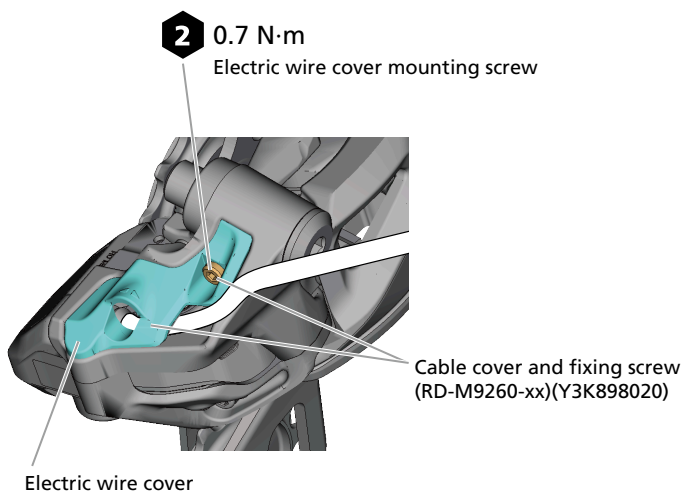
1. Place the plug cover and protective sleeve over the electric wire.



2. Connect the electric wire to the E-TUBE port.
3. Slide down the plug cover and protective sleeve.



4. Install the electric wire cover.



Individual package

Di2 derailleurs cannot be installed on drive units programmed for mechanical derailleurs, so it is not possible to upgrade from a mechanical to Di2 derailleur.

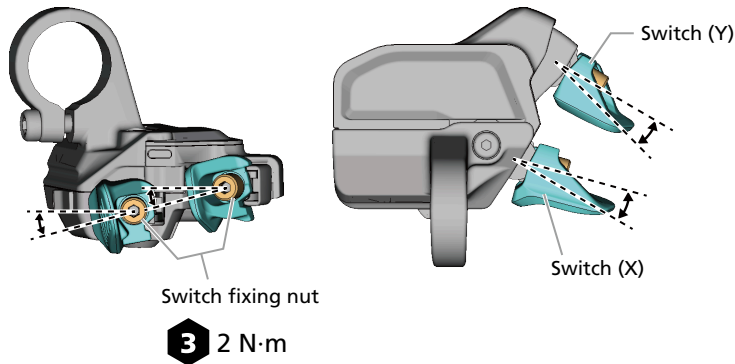
Shift Switch

SW-M9250-xx

Adjusting the switch angle

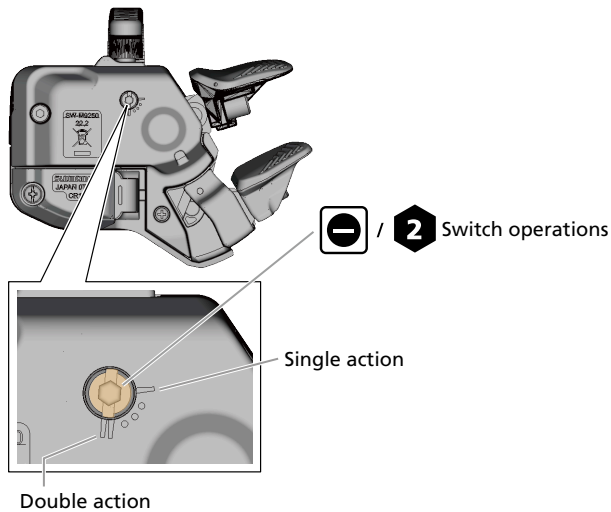
This product enables you to adjust the switch angle.

Adjust the angles of switch (X) and switch (Y).



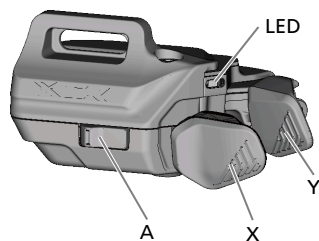
Changing the switch operations

Change the switch operations using a slotted screwdriver or a 2 mm hexagon wrench.





Checking the coin battery level

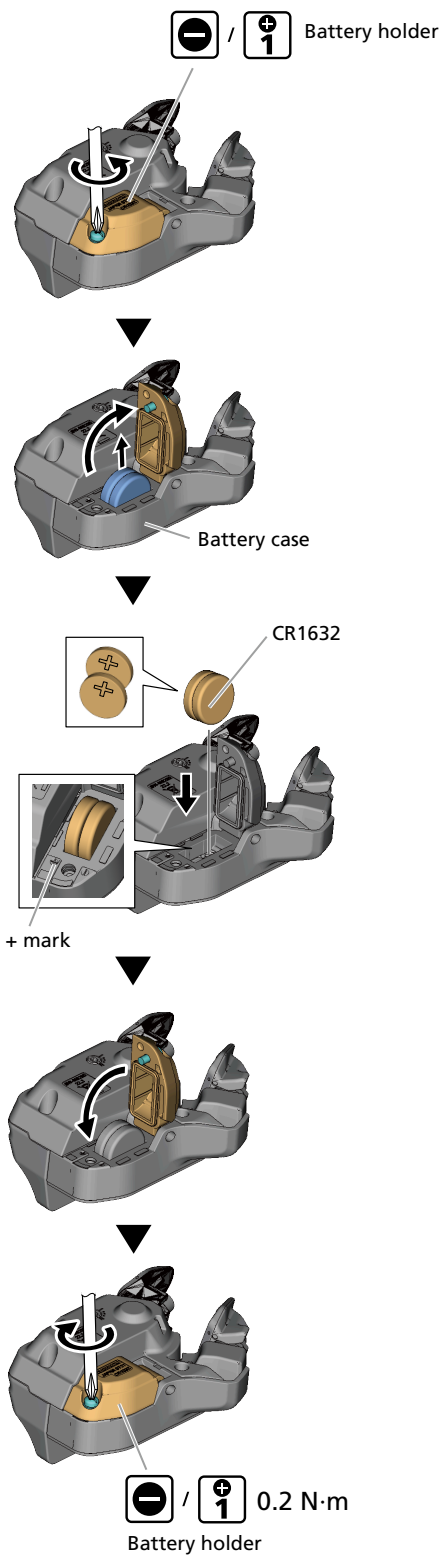
Hold down X and Y simultaneously for 0.5 seconds or longer.



11 - 100%		Green
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1 - 10%		Red
0%		Off

Replacing the coin batteries (CR1632)



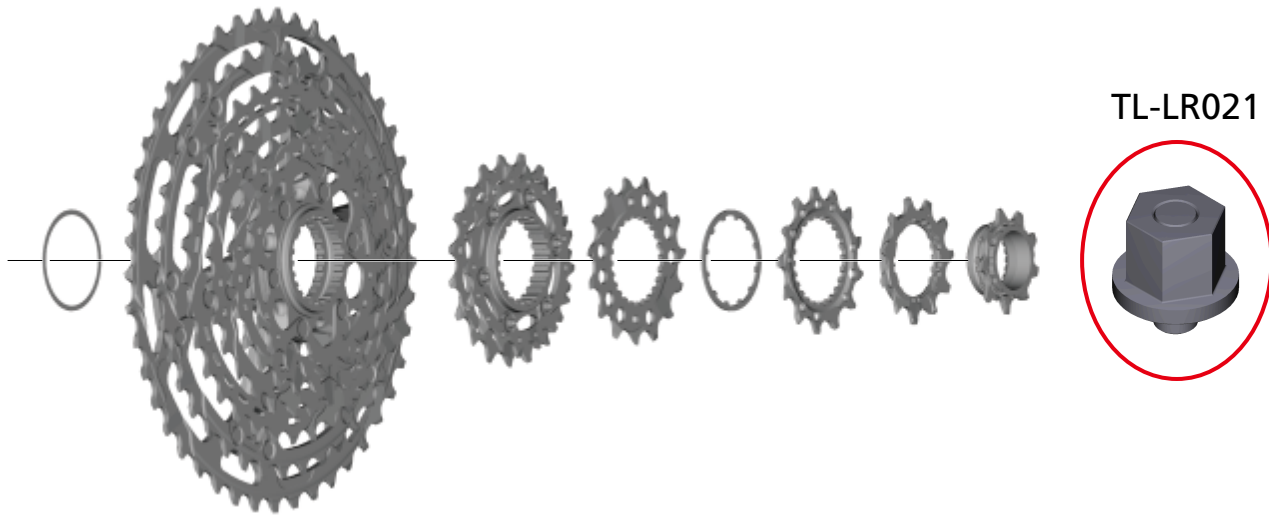
Cassette

CS-M9200-12 (HYPERGLIDE+)

Compatible with MICRO SPLINE

TL-LR021 for 9-45T Cassette

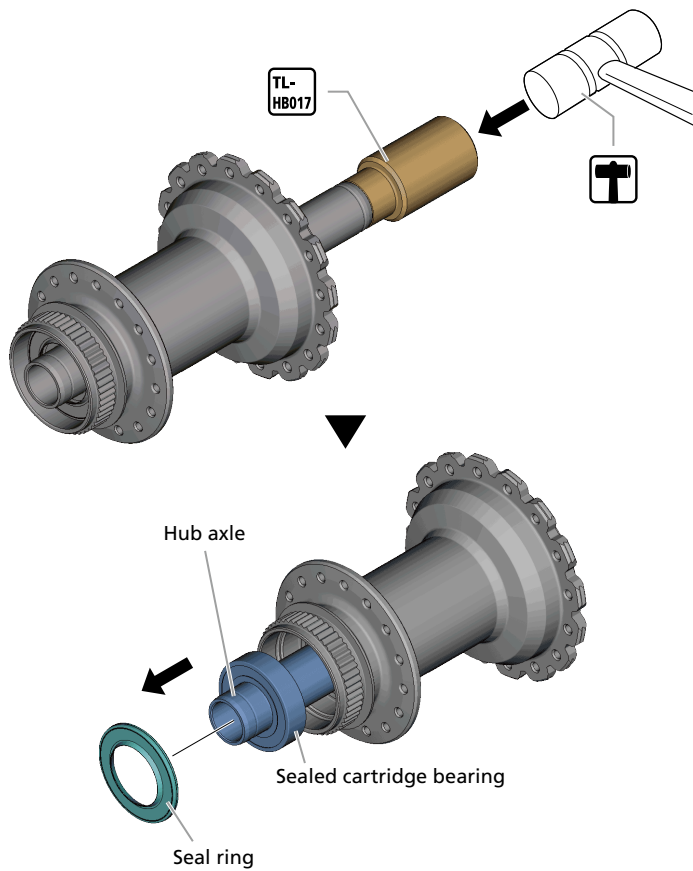
The smallest sprocket and the lock ring are combined into a single part.



9-45T cassette is not E-BIKE compatible

Wheel / Hub

TL-HB017 to replace the bearings



Hydraulic Disc Brake

SHIMANO Low Viscosity Oil

Note: Do not mix SHIMANO low viscosity oil and conventional mineral oil.
Check the information on the supported models for each oil type, and use the correct oil for the product.
URL : <https://si.shimano.com/dm/BROIL>



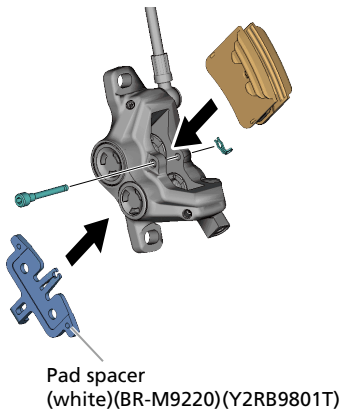
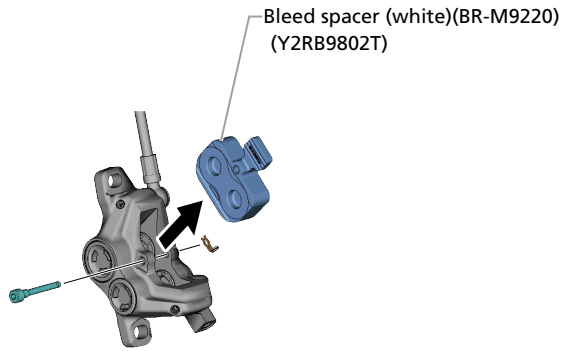
Brake lever

SHIMANO Low Viscosity Oil		
MTB	BL-M9220	BL-M9200

Brake caliper

SHIMANO Low Viscosity Oil			
MTB	BR-M9220	BR-M9200	BR-MT805

Bleed spacer and pad spacer for BR-M9220



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