

USER & TECHNICAL MANUAL

EN 2 ES 28 FR 54 IT 80 DE 106

SQUIDLOCK RL-MP11

SUSPENSION REMOTE LOCKOUT



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01 ABOUT THIS MANUAL

This manual describes the specifications, compatibility, maintenance instructions, installation, and use of the OC RL-MP11 Squidlock suspension and dropper seatpost locking remote. The information in this manual is important. Read it carefully before using the remote and bicycle on which it is installed.

You should also refer to the Orbea bicycle manual on which the component is installed before using it to learn about the instructions and warnings pertaining to the use and maintenance of the component. All Orbea bicycle manuals are available on Orbea's website.

www.orbea.com/gb-en/support/manuals

To install this component on bicycles not made by Orbea, you should also refer to the documentation provided by the manufacturer of that bicycle to find out whether this component is compatible with that bicycle model and/or the suspension and/or dropper seatpost components.

WARNING TO USERS

The assembly and/or maintenance of the components described in this manual require mechanical knowledge that may be beyond the skills of most buyers. If, as a user, you do not have the necessary knowledge for the safe installation of these components, always go to an Orbea distributor to carry out the installation, replacement and/or maintenance of the components of your bike to guarantee its safety.

Damage to components resulting from their incorrect installation or maintenance is not covered under the warranty terms.

Incorrect installation and/or adjustment of the components of a bicycle may cause accidents that result in serious injuries or even death. If in doubt, always go to an authorised dealer to install and adjust the components of your bicycle.

02 SYMBOL LEGEND

Throughout this manual various symbols are used to detail instructions, warnings or relevant information on use, maintenance and assembly. Pay attention to these symbols to avoid dangerous situations and to ensure the correct use and assembly of all components.

The meaning of these symbols is explained below. In this manual, the symbol may be accompanied only by the relevant instruction for the component it describes. Read the following information carefully to understand its meaning.

SAFETY INSTRUCTIONS



DANGER: Dangerous situation which, if not avoided, will result in serious injury or death



WARNING: Dangerous situation which, if not avoided, could result in serious injury or death.



CAUTION: Dangerous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

Situation not related to physical injury. Relevant information.

The symbols DANGER and WARNING always imply a risk of accident if measures are not taken to avoid the situation they describe. An accident while riding a bicycle can always involve a risk of serious injury or even death. The risk of death will not always be repeated in this manual when these symbols appear, as the risk is detailed here.

TOOLS AND TIGHTENING TORQUES



FLAT SPANNER



TORX SPANNER



ALLEN KEY



PHILLIPS SCREWDRIVER



The tool size to use appears inside the symbol



10 N.m

The indicated tightening torque in Newton metres is specified under the symbol for the tool to be used.

Always use the right tools and products for a specific maintenance or repair operation. Unsuitable or poorly maintained tools, or the use of generic products, may cause damage to components that are not then covered by the warranty conditions.

ASSEMBLY COMPOUND

The assembly compounds to use in a specific component or area is given in each image or description related to the assembly of that component throughout this manual. Below you can see a summary of the assembly compounds described in this manual.

COLOUR / TYPE	DESCRIPTION
 LUBRICATION	GREASE: Assembly grease to avoid creaking and seizing.
 RETAINING	THREADLOCK: High strength. Loctite 271 type.
 RETAINING	THREADLOCK: Medium strength. Loctite 243 type.
 RETAINING	ND PATCH THREADLOCK: Nylon threadlock pre-applied by the manufacturer. The component can be installed again without applying threadlock again. If the compound stops working, the component should be replaced with a new component with pre-applied compound.

03 WARRANTY

LEGAL WARRANTY

Orbea offers the original owner of the OC component a statutory warranty of 3 years from the date of purchase of the items or the bicycle to which said component is mounted, or the period stipulated as the statutory warranty period in the country of purchase.

This warranty covers all OC components against manufacturing defects and/or failure to meet the standard and guarantees the repair or replacement of the defective product at no cost to the affected customer.

The processing of any guarantee request for components from suppliers external to Orbea must be handled through an authorised distributor for the supplier of the component involved.

This warranty does not, under any circumstances, cover damage as a result of inappropriate use, falls or accidents or the lack of maintenance, as well as the normal wear and tear of consumable parts, such as, by way of example, but without limitation: seals, bearings, handlebar tape, spokes, tyres, saddles, etc.

For a full description of the coverage conditions and the statutory warranty, please visit:

www.orbea.com/gb-en/warranty

WARRANTY CLAIMS PROCESS

All OC component warranty claims must be processed through an authorised Orbea dealer, who will perform the initial diagnosis and send Orbea all the necessary documentation for a complete diagnosis of the claim in question. The dealer will inform the owner about the status of the process and the decision made on the guarantee claim by Orbea.

We recommend always going to the dealer where you bought your bicycle or component if you want to make a warranty claim. If you cannot go to the original dealer, or if you bought the OC component directly through the Orbea website, you can check the list of authorised dealers on our website or contact Orbea directly so we can let you know the dealer you should go to.

www.orbea.com/gb-en/distribuidores/?country

www.orbea.com/gb-en/contact/

04 GENERAL WARNINGS

SAFETY



The assembly and/or maintenance of the components described in this manual require mechanical knowledge that may be beyond the skills of most buyers. If, as a user, you do not have the necessary knowledge for the safe installation of these components, always go to an Orbea distributor to carry out the installation, replacement and/or maintenance of the components of your bike to guarantee its safety.

Follow the assembly, adjustment, and usage instructions in this manual. Incorrect installation and/or adjustment of the components of a bicycle may cause accidents that result in serious injuries or even death. If in doubt, always go to an authorised dealer to install and adjust the components of your bicycle.

- After installing the remote, the cables and sleeves must be long enough to allow the handlebar to turn freely without pulling on the cables or sleeves.
- The remote must be compatible with the other components of the bicycle with which it interacts and on which it is installed. Refer to the compatibility and assembly sections of this manual.
- Only use original OC spare parts to maintain or repair the remote.

- Do not modify the remote or install components from other manufacturers not listed in this manual.
- Always follow the tightening torque and assembly compound instructions in this manual and those of the components on which this remote is installed or with which it interacts (follow the manufacturer instructions of those components).
- Stop using the remote and bicycle if the components show signs of breaking or wear. If in any doubt, consult an authorised dealer.
- Damage to components resulting from failing to follow the instructions in this manual is not covered by the warranty conditions.

COMPATIBILITY OF THE RL-MP11 REMOTE

FULL SUSPENSION BICYCLES OR HARDTAILS WITH SUSPENSION FORK

By integrating the suspension fork and shock remote locking action into a single cam, the RL-MP11 remote is compatible with full suspension bicycles or hardtails with suspension forks.

The shock and suspension fork must be prepared to allow the compression circuit to be actuated with a remote and have a cartridge that is compatible with the the remote's cable pull. Keep reading to find out more.

DROPPER SEATPOSTS

The RL-MP11 remote cannot be used without the lever of the dropper seatpost, and it can therefore only be mounted on bikes that have dropper seatposts. The remote is only compatible with dropper seatposts actuated with a mechanical cable.

SUSPENSION ELEMENTS WITH REMOTE ACTUATION OF THE COMPRESSION CIRCUIT

The remote is only compatible with suspension forks and shocks that have a remote actuation mechanism for the compression circuit. The compression circuit also must be compatible with the cable pull options listed in the Cable Pull table.

Some suspension fork and shock models can be fitted with a remote actuation mechanism if they don't already have one fitted. Check with the manufacturer of these components regarding available options.

ROUTING OF THE SHOCK REMOTE AND THE DROPPER SEATPOST THROUGH THE FRAME

The frame of the bike in which the remote is installed must allow for the shock and dropper seatpost remote cables to be routed from the remote to these components. Refer to the bicycle manufacturer's documentation before installing the RL-MP11 remote.

LOCKING AND UNLOCKING LOGIC

The design and operation of the RL-MP11 remote **is optimised for use with forks and shocks that use Push-to-Lock (PTL) logic** with 2 or 3 positions, where actuating the remote cam locks the fork or shock. The RL-MP11 remote is compatible with Push-to-Unlock (PTU) suspension components, but the actuation order of the compression circuit is not optimised for this locking logic.

In any case, in full suspension bicycles, the compression circuit logic of the suspension fork and shock must be the same (PTL or PTU).

CABLE PULL

The RL-MP11 remote is available with the following cable pull options and compression cartridge positions (see table). Forks and shocks with cartridges other than those listed below but with the same cable pull may be compatible with the remote, but they have not been validated for use. It is the user's or distributor's responsibility to check that the assembly is compatible.

RL-MP11 option (cable pull)*	Compression positions	Compatible compression cartridges (fork)	Compatible shocks
5+5mm	3 positions Open-Medium-Firm	Fox FIT 4. Push-to-Lock Fox GRIP. Push-to-Lock Fox GRIP SL. Push-to-Lock	-Fox DPS, Float, Float SL (Push-to-Lock) In Fox shocks with 2-position compression circuits, the middle position in assemblies of the RL-MP11 remote with 5+5mm 3-position inserts places the compression circuit in a middle position between Firm and Open.
10 mm	2 positions Open-Firm	Fox FIT 4. Push-to-Lock Fox GRIP. Push-to-Lock Fox GRIP SL. Push-to-Lock Fox GRIP X. Push-to-Lock RockShox Charger RL. 2P RockShox Race day 2. 2P	-Fox DPS, Float, Float SL (Push-to-Lock) RockShox shocks with 2P compression circuit (2 positions)
7+7mm	3 positions Open-Medium-Firm	RockShox Charger RL. 3P RockShox Race day 2. 3P	-RockShox shocks with 3P compression circuit (3 positions)
14mm	2 positions Open-Firm	To convert compatible RockShox 3P forks to 2 positions (Open-Firm)	-RockShox shocks with 3P compression circuit (3 positions) Convert to 2 positions (Open-Firm)

*The four different pull cable configuration options of the RL-MP11 remote are achieved by installing different inserts. Check the insert installation section for the different options to learn about the installation process.

ASSEMBLY ON HANDLEBAR OR BRAKE LEVER

The RL-MP11 remote can be mounted on the handlebar in 3 ways. Check the section of this manual on assembly to find out more about the different assembly options.

Sram Matchmaker X: The remote is mounted to the Sram brake lever compatible with the Matchmaker X standard using the specific Sram adapter for this standard.

Shimano I-Spec EV: The remote is mounted to the Shimano brake lever compatible with the I-Spec EV standard using the specific OC adapter for this standard.

Directly on the handlebar: The remote can be installed directly on the handlebar using a Sram clamp for derailleur trigger shifters.

MAINTENANCE



Components that appear damaged or worn must be replaced immediately.

See the table below to see the remote's general condition and operational checks. If, as a user, you don't have the mechanical know-how to perform some of the checks or maintenance tasks, take your bicycle to an authorised dealer.

ACTION	FREQUENCY
Check the operation	Before every use
Check tightness	Before every use
Check the condition of the sleeves and cables	Before every use
Clean with soapy water and a cloth to check the condition of the components	After every use
Don't use pressurised water or harsh chemicals	

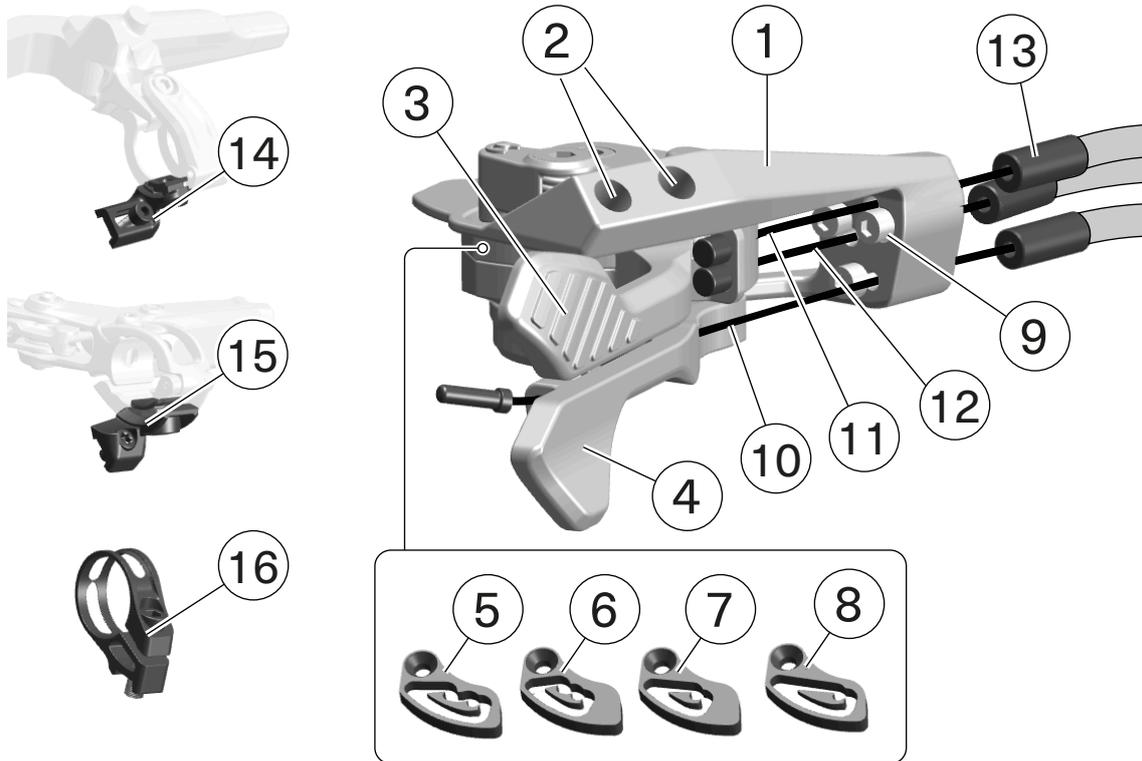
ACTION	FREQUENCY
Replace the sleeves and cables of suspension and dropper elements	Once a year (or earlier if they are damaged)
Clean and grease the inserts groove*	Once a year (or earlier if operation is affected)
Disassembly of the remote, check, and internal cleaning	Every 2 years (by the dealer) (or earlier if operation is affected)

*Find out how to access the insert groove in the cable pull insert replacement section of this manual.

NOTICE

Check the maintenance instructions for the components with which the remote is assembled and interacts (handlebar, suspension forks, shocks, and dropper seatposts) in the manufacturer's documentation for each component. Incorrect operation of the suspension locking and unlocking and actuation of the dropper seatpost could be caused by lack of maintenance or incorrect adjustment of said components.

05 RL-MP11 REMOTE ELEMENTS



1. Main body of the remote	9. Cable tension adjuster grub screws
2. Assembly threads. Matchmaker X standard.	10. Dropper seatpost cable
3. Suspension locking/unlocking lever	11. Fork remote lockout cable
4. Dropper seatpost actuation lever	12. Shock remote lockout cable
5. 5+5mm 3-pos cable pull insert*	13. Jagwire 4mm ferrules. Metal.
6. 7+7mm 3-pos cable pull insert*	14. Shimano I-Spec EV brake assembly OC adapter**
7. 10mm 2-pos cable pull insert*	15. Sram Matchmaker X brake assembly Sram adapter**
8. 14mm 2-pos cable pull insert*	16. Sram Matchmaker X derailleur trigger clamp**

*Refer to the section on the installation of cable pull inserts.

**Refer to the different assembly options in the appropriate section of this manual.

06 TECHNICAL SPECIFICATIONS

OC RANGE	Mountain Performance
MATERIAL	
BODY	Aluminium 6061
CAMS	Aluminium 6061
FUNCTIONS	Actuation of the suspension fork and/or shock locking circuit by cable (same cam) Actuation of the dropper seatpost by cable (independent cam)
SUSPENSION LOCKING POSITIONS	2 or 3 (by changing inserts) Refer to the sections on compatibility and changing inserts of this manual
SUSPENSION LOCKING LOGIC	Optimised for Push-to-Lock (PTL)
CABLE PULL (SUSPENSION REMOTE)	By changing inserts: 2 positions: 10mm or 14mm 3 positions: 5+5mm or 7+7mm Refer to the sections on compatibility and changing inserts of this manual
COMPATIBLE SHOCKS/FORKS	See the compatibility section of this manual
CABLE TENSION ADJUSTMENT	Integrated adjuster grub screws
COMPATIBLE CABLE FERRULES	4mm metal ferrules only
HANDLEBAR ASSEMBLY	Directly on left brake Sram Matchmaker X: With Sram adapter Directly on left brake Shimano I-Spec EV: With OC adapter Directly on handlebar (left side): With Sram clamp for trigger shifters (22.2mm) Refer to the assembly section of this manual

07 INSTALLATION

INSTALLATION ON THE HANDLEBAR OR BRAKE LEVER

The RL-MP11 remote can be mounted on the handlebar in 3 ways:

Sram Matchmaker X: The remote is mounted to the Sram brake lever compatible with the Matchmaker X standard using the specific Sram adapter for this standard.

Shimano I-Spec EV: The remote is mounted to the Shimano brake lever compatible with the I-Spec EV standard using the specific OC adapter for this standard.

Directly on the handlebar: The remote can be installed directly on the handlebar using a Sram clamp for derailleur trigger shifters.

LEFT SRAM BRAKE LEVER ASSEMBLY WITH MATCHMAKER X STANDARD

In assemblies with Sram brake levers with Matchmaker X standard clamps, use the Matchmaker X adapter to secure the body of the RL-MP11 remote to the left brake clamp.

To position the remote in the desired position to reach the cams correctly, use the assembly thread of the body of the remote that best suits your ergonomic preferences.

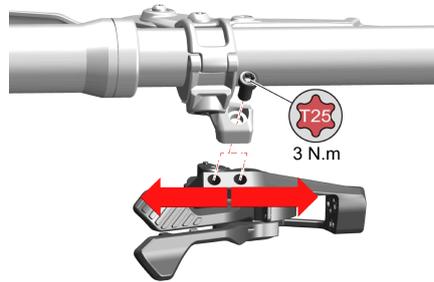
There are 2 Matchmaker X adapter options. One fixes the remote to the left side of the brake lever, while the other fixes it on the right side. Choose the adapter that positions the remote cams in the position where you can best reach the remote cams, and secure the remote using your preferred thread to mount the remote in its final position.

1



Install the Matchmaker X adapter (internal or external) that best suits your ergonomic needs on the Sram brake clamp with the Matchmaker X standard X.
 *Internal adapter
 **External adapter

2



Secure the body of the remote to the adapter using your preferred mounting thread to position the remote.

3



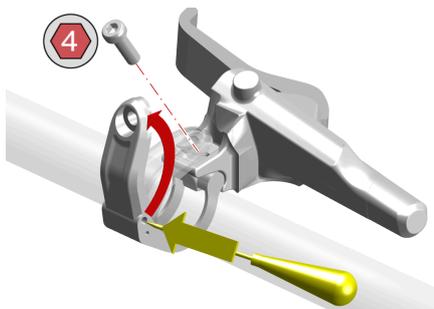
Use the positioning range of the Matchmaker X adapter on the brake lever clamp to hold the remote in the desired angle (to change the angle of the Matchmaker adapter, you need to remove the brake clamp to be able to position the adapter).

LEFT SHIMANO BRAKE LEVER ASSEMBLY WITH I-SPEC EV STANDARD

In assemblies with Shimano brake levers with I-Spec EV standard clamps, use the OC adapter to secure the body of the RL-MP11 remote to the left brake clamp.

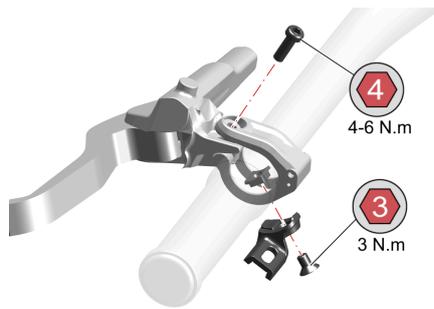
To position the remote in the desired position to reach the cams correctly, use the assembly thread of the body of the remote that best suits your ergonomic preferences.

1



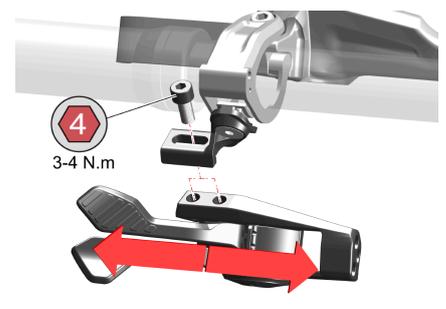
Open the left brake clamp by removing the fastening bolt and inserting a tool in the opening orifice.

2



Install the OC adapter for I-Spec EV clamps and reinstall the brake on the handlebar.

3



Secure the body of the remote to the adapter using your preferred assembly thread to position the remote. The groove in the adapter makes it possible to also make adjustments to the position of the remote.

4



Use the positioning range of the OC adapter on the brake lever clamp to hold the remote in the desired angle (to change the angle of the adapter you may need to loosen the brake clamp to be able to position the adapter).

INSTALLATION DIRECTLY ON THE HANDLEBAR

For assemblies where it's not possible to integrate the remote in the left brake clamp, the RL-MP11 remote may be installed directly on the left side of the handlebar by using an Sram clamp for derailleur trigger shifters.

Choose the position (to the left or right of the left brake lever clamp) of the remote clamp according to your ergonomic preferences to be able to comfortably actuate the remote cams.

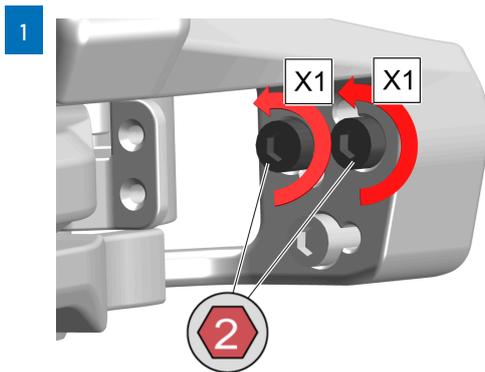
The remote assembly angle on the handlebar can be adjusted simply by loosening the clamp bolt and then securing it again in the desired position.



Always check that the remote cams and the brake levers are not in the way of each other before using the bicycle for the first time.



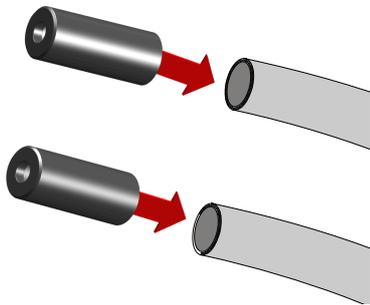
INSTALLATION OF SUSPENSION CABLES



1. Before installing the suspension remote cables, check that the cable tension adjustment grub screws have enough free thread to adjust the tension as required. Turn the adjuster grub screws until they are flush with the inside face of the remote body and then unscrew them one full turn.

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2



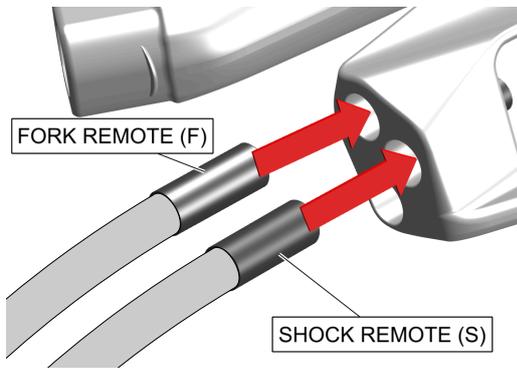
2. Measure, cut, and install the sleeves of the fork and/or shock remotes.
Install the 4mm metal ferrules on the ends of the fork and/or shock remote cable sleeves.

NOTICE

Only use 4mm metal ferrules with the RL-MP11 remote. The shock and/or fork cable sleeves must be 4mm derailleur sleeves. The use of Jagwire LEX-SL sleeves is recommended for optimal operation of the remote. Refer to your bicycle's documentation to learn about how to correctly install and route the shock sleeve.

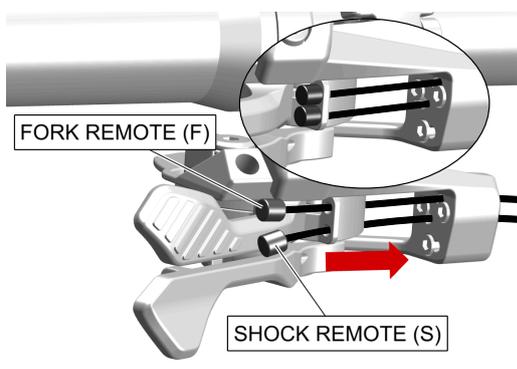
 The sleeves and cables must be long enough to not restrict turning the handlebar after installation.

3



3. Install the fork and/or shock sleeves in the corresponding opening in the body of the remote.
The opening for the fork sleeve is labelled "F" (fork).
The opening for the shock sleeve is labelled "S" (shock).

4

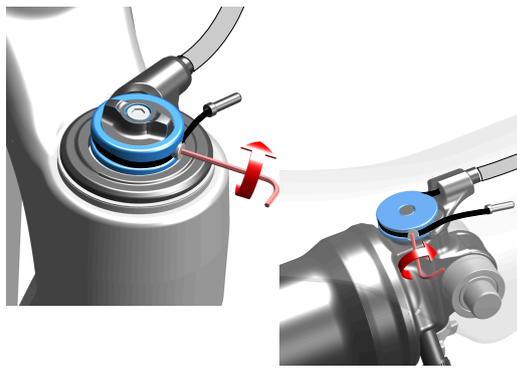


4. From the remote, guide the fork and/or shock cables and pull on them from the ends of the suspensions so that they fully seat in the remote cam tab.
The fork cable goes in the upper hole of the remote suspension cam, and the shock cable goes in the middle hole.

NOTICE

The fork and shock remote cables must be 1.1 or 1.2mm derailleur cables.

5

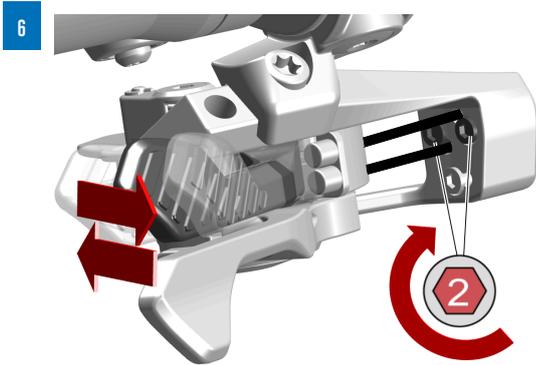


5. Secure the ends of the cables to the fork and/or shock actuators, cut the leftover cable, and install a cable end cap on the end of the cables to prevent them from unravelling.

NOTICE

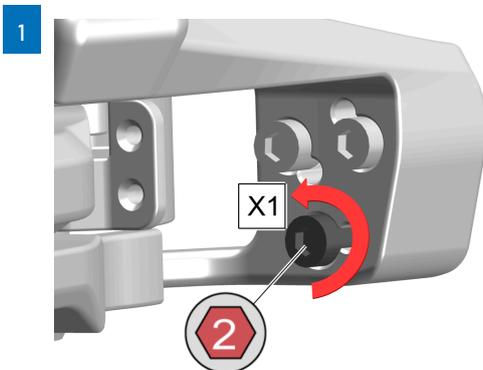
The specific installation method for the fork or shock actuator cables may differ depending on the fork and shock model. Refer to the manufacturer's documentation for your fork or shock model to learn the correct installation method to ensure the components work correctly.

[Fox installation video](#)
[Rockshox installation guide](#) (go to cable attachment sections)



6. If there is any play in the remote's suspension cam after connecting the cables to the fork and/or shock, use the integrated tension adjuster grub screws of the remote cables to eliminate any play. You can use the tension adjuster grub screws to make small adjustments to the cable tension and the behaviour of the fork and/or shock.

DROPPER SEATPOST CABLE INSTALLATION



1. Before installing the remote cable of the dropper seatpost, check that the tension adjuster grub screw of the cable has enough free thread to adjust the tension. Turn the adjuster grub screw until it is flush with the inside face of the remote body and then unscrew it one full turn.



2. Measure, cut, and install the dropper seatpost remote sleeve in the frame. Install the remote cable in the dropper actuator and guide it through the sleeve to the remote.

NOTICE

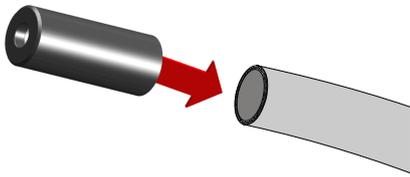
The dropper cable sleeve must be a 4mm derailleur sleeve. The dropper remote cable must be a 1.1 or 1.2mm derailleur cable. Refer to the dropper manufacturer's documentation to learn about how to install the cable in the dropper. Refer to your bicycle's documentation to learn about how to correctly install and route the dropper seatpost sleeve in the frame.



The sleeve and cable must be long enough to not restrict turning the handlebar after installation.

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3

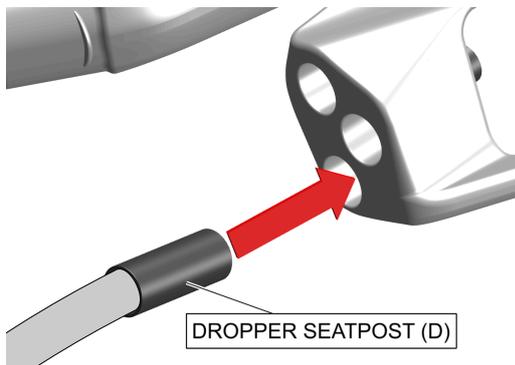


3. Install the 4mm metal ferrule on the remote end of the dropper cable sleeve.

NOTICE

Only use 4mm metal ferrules with the RL-MP11 remote.

4



4. Install the dropper cable sleeve in the corresponding opening in the remote body.
The opening for the dropper sleeve is labelled "D" (dropper).

5

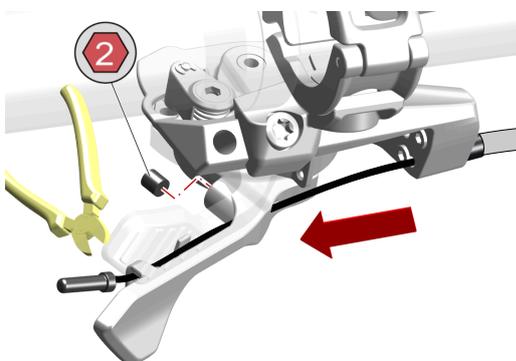


5. Insert the dropper in the seat tube of the frame while gently pulling on the dropper remote cable from the front side of the bike and secure the dropper in the desired position.

NOTICE

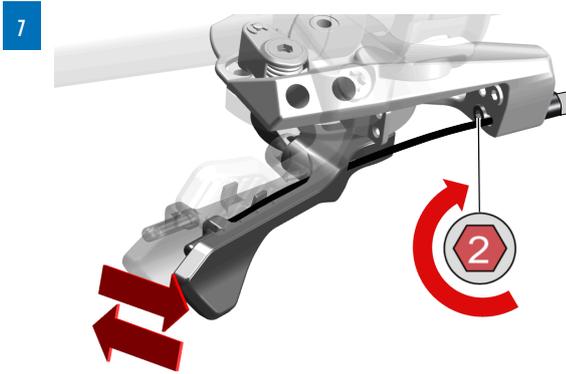
Refer to your bicycle's manual for instructions on how to secure the dropper clamp or wedge and the correct torque value.

6



6. Guide the dropper remote cable through the hole in the RL-MP11 remote cam and secure it to the cam using the grub screw on the back side.
Cut off the excess cable and install a cable end cap on the end of the cable to prevent it from unravelling.
Guide the cable through the tabs on the rear side of the remote cam.

Continues next page >



7. If there is any play in the remote cam after securing the dropper cable, use the integrated cable tension grub screw to adjust the tension of the remote cable to remove the play.

08 OPERATION OF THE REMOTE

OPERATION OF THE SUSPENSION LOCKING CAM

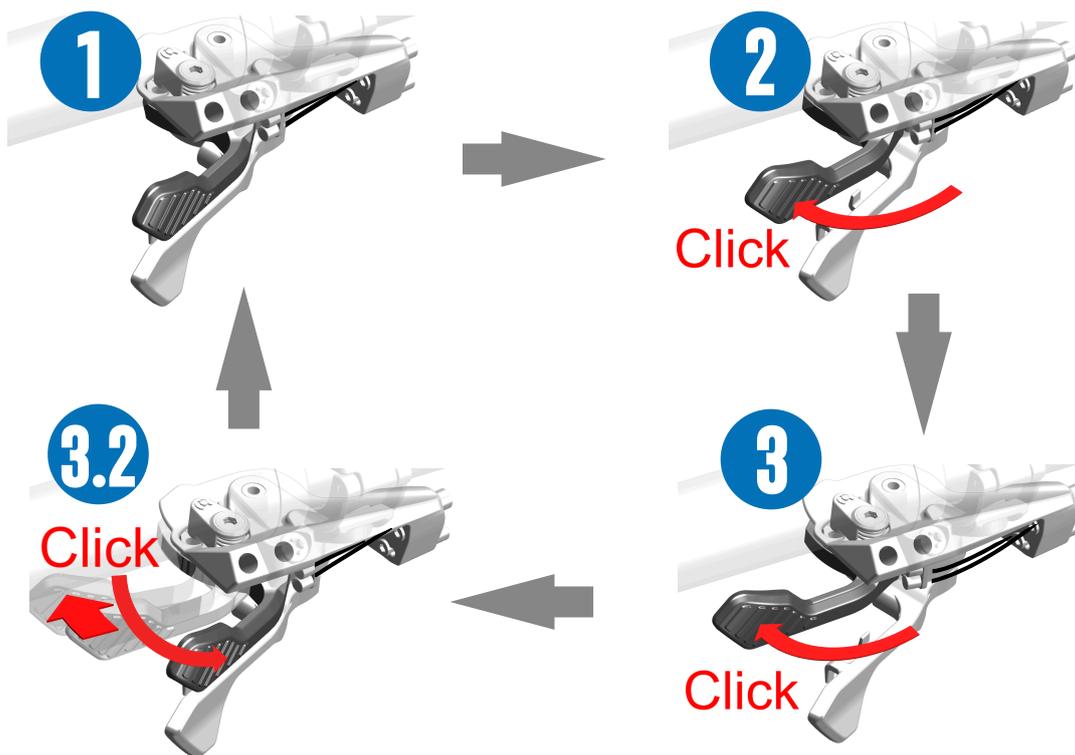
NOTICE

The RL-MP11 remote can be configured to work with shocks and/or forks with 2- or 3-position compression circuits by using different inserts. Refer to the compatibility section of this manual for more information. Refer to the insert installation section of this manual to learn how they are installed.

The design and operation of the RL-MP11 remote **is optimised for use with forks and shocks that use Push-to-Lock (PTL) logic**, where actuating the remote cam locks the fork or shock. The RL-MP11 remote is compatible with Push-to-Unlock (PTU) suspension components, but the actuation order of the compression circuit is not optimised for this locking logic.

In any case, in full suspension bicycles, the compression circuit logic of the suspension fork and shock must be the same (PTL or PTU).

3-POSITION OPERATION (OPEN-MEDIUM-FIRM)



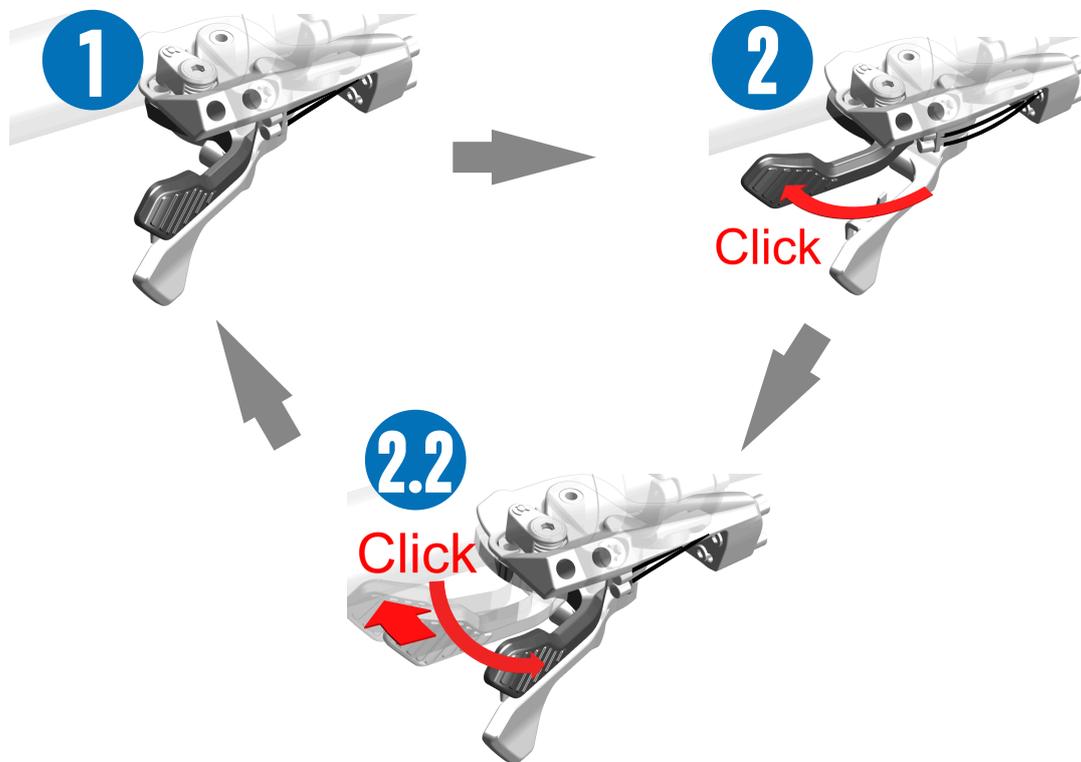
1 POSITION 1: Open suspensions (PTL).
Or firm in PTU suspensions

2 POSITION 2: Suspensions in a medium
position (PTL and PTU)

3 POSITION 3: Firm suspensions (PTL).
Or open in PTU suspensions

3.2 To return to the first position, press the cam until you feel a "click" and then release the cam so that it returns to the first position.

2-POSITION OPERATION (OPEN-FIRM)



1 **POSITION 1:** Open suspensions (PTL). Or firm in PTU suspensions

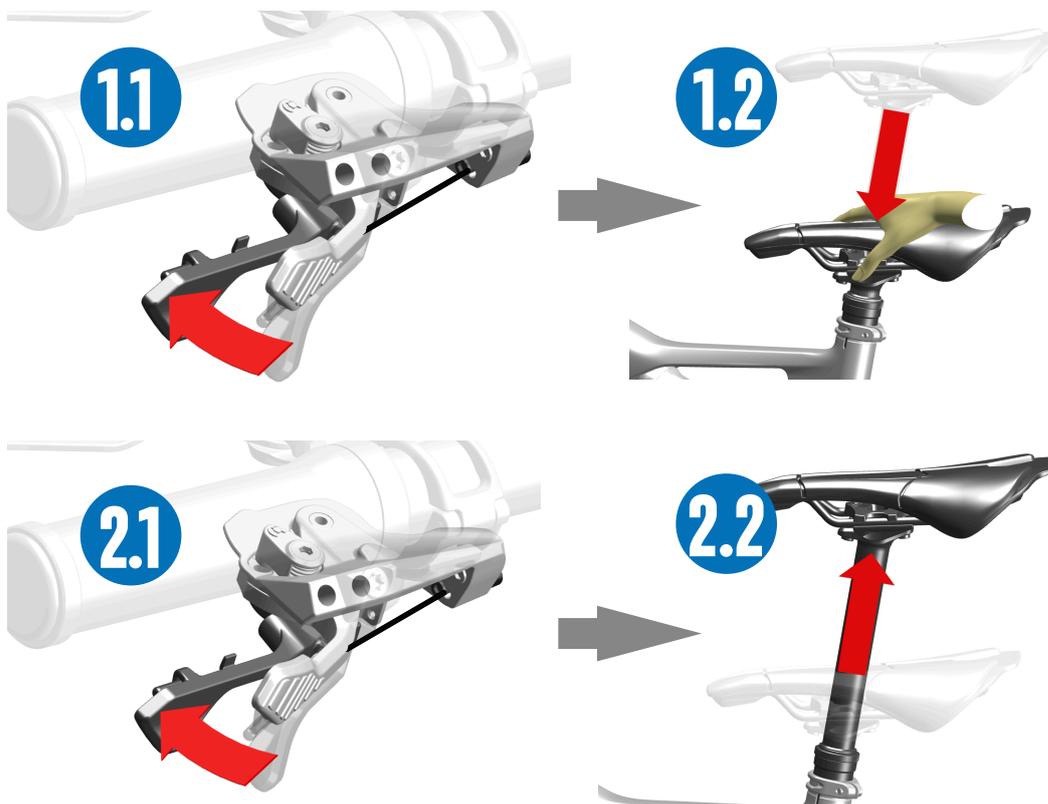
2 **POSITION 2:** Firm suspensions (PTL). Or open in PTU suspensions

2.2 To return to the first position, press the cam until you feel a "click" and then release the cam so that it returns to the first position.

OPERATION OF THE DROPPER SEATPOST CAM

NOTICE

Refer to the manual for your dropper seatpost model to learn how it works, how to lock the dropper in intermediate positions, etc.



1 LOWERING THE SEAT: Press the lower cam on the remote while on the seat to lower the dropper. Release the remote cam once the seat is in the lower position. With dropper seatposts that allow for intermediate positions, release the remote cam when the seat is at the desired height to fix the dropper in that position.

2 RAISING THE SEAT: Remove all weight from the seat and press the lower cam on the remote to raise the seat. With dropper seatposts that allow for intermediate positions, release the remote cam when the seat is at the desired height to fix the dropper in that position.

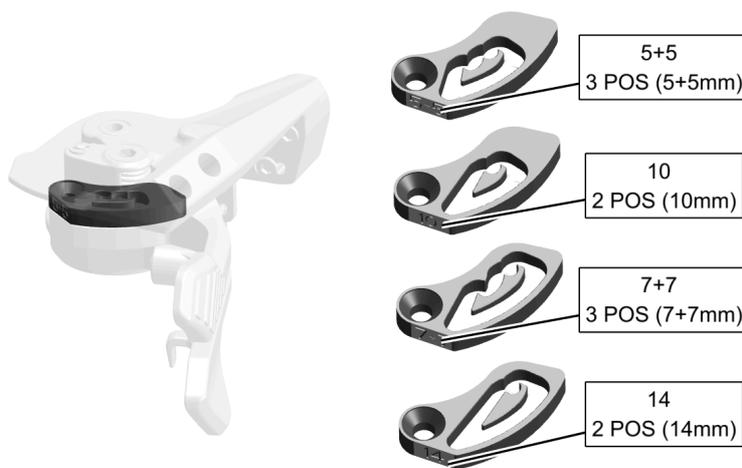
09 2- AND 3-POSITION INSERTS. INSTALLATION

CABLE PULL INSERTS

The RL-MP11 remote is available with the following cable pull options and compression cartridge positions (see table). Forks and shocks with cartridges other than those listed below but with the same cable pull may be compatible with the remote, but they have not been validated for use. It is the user's or distributor's responsibility to check that the assembly is compatible.

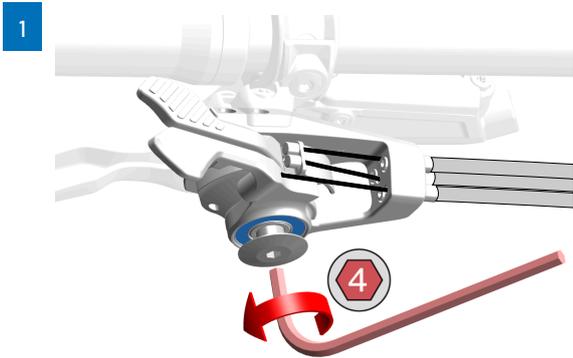
The four different pull cable configuration options of the RL-MP11 remote are achieved by installing different inserts. See the section below to learn about how to install the cable pull inserts.

Refer to the compatibility section of this manual for more information.



Insert (cable pull)	Compression positions	Compatible compression cartridges (fork)	Compatible shocks
5+5mm	3 positions Open-Medium-Firm	Fox FIT 4. Push-to-Lock Fox GRIP. Push-to-Lock Fox GRIP SL. Push-to-Lock	-Fox DPS, Float, Float SL (Push-to-Lock) In Fox shocks with 2-position compression circuits, the middle position in assemblies of the RL-MP11 remote with 5+5mm 3-position inserts places the compression circuit in a middle position between Firm and Open.
10 mm	2 positions Open-Firm	Fox FIT 4. Push-to-Lock Fox GRIP. Push-to-Lock Fox GRIP SL. Push-to-Lock Fox GRIP X. Push-to-Lock RockShox Charger RL. 2P RockShox Race day 2. 2P	-Fox DPS, Float, Float SL (Push-to-Lock) RockShox shocks with 2P compression circuit (2 positions)
7+7mm	3 positions Open-Medium-Firm	RockShox Charger RL. 3P RockShox Race day 2. 3P	- RockShox shocks with 3P compression circuit (3 positions)
14mm	2 positions Open-Firm	To convert compatible RockShox 3P forks to 2 positions (Open-Firm)	- RockShox shocks with 3P compression circuit (3 positions) Convert to 2 positions (Open-Firm)

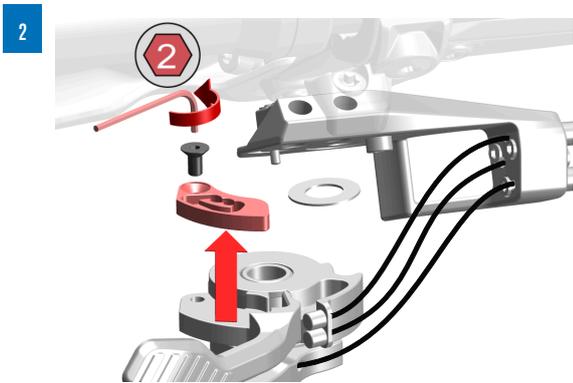
CABLE PULL INSERT REPLACEMENT PROCEDURE



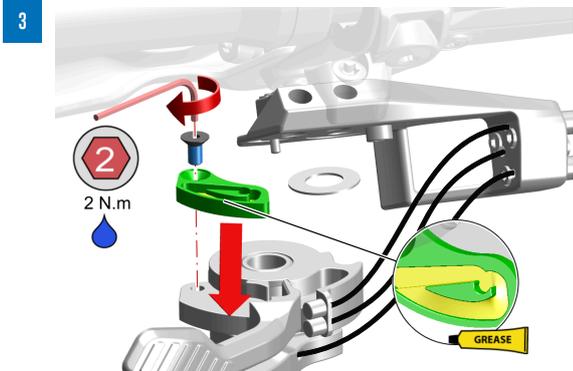
1. Fully remove the remote shaft.

NOTICE

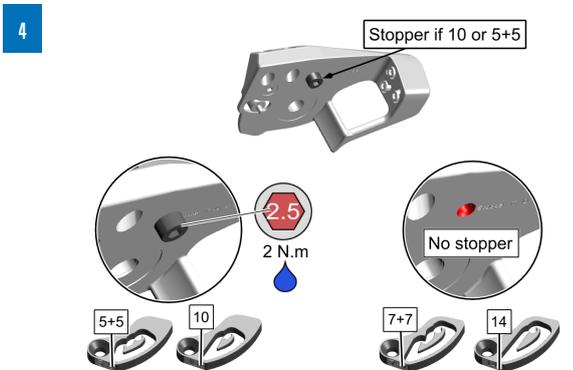
Take the washer from between the suspension cam and the body of the remote and keep it in a safe place for assembling the remote later.



2. Unscrew the bolt holding the cable pull insert and remove the insert to be replaced.



3. Install the new cable pull insert.
Apply medium-strength threadlock, such as Loctite 243, on the threads of the bolt that secure the insert and tighten the bolt up to the recommended torque.
Check that the groove of the new insert is clean and lightly grease the groove (you can use a small brush).

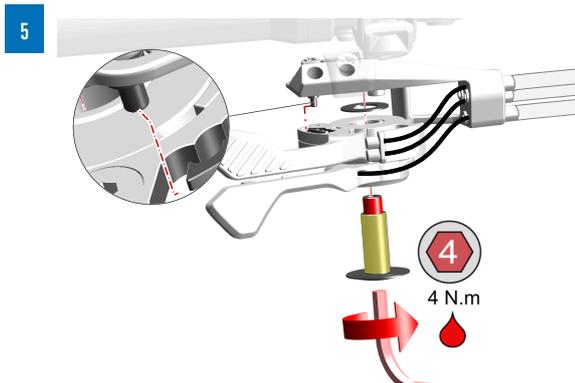


4.

NOTICE

If you install the insert labelled 5+5 (3 positions) or labelled 10 (2 positions), check that the stopper bolt is installed in the body of the remote. If it's not installed, install it and apply medium-strength threadlock on its thread, such as Loctite 243.

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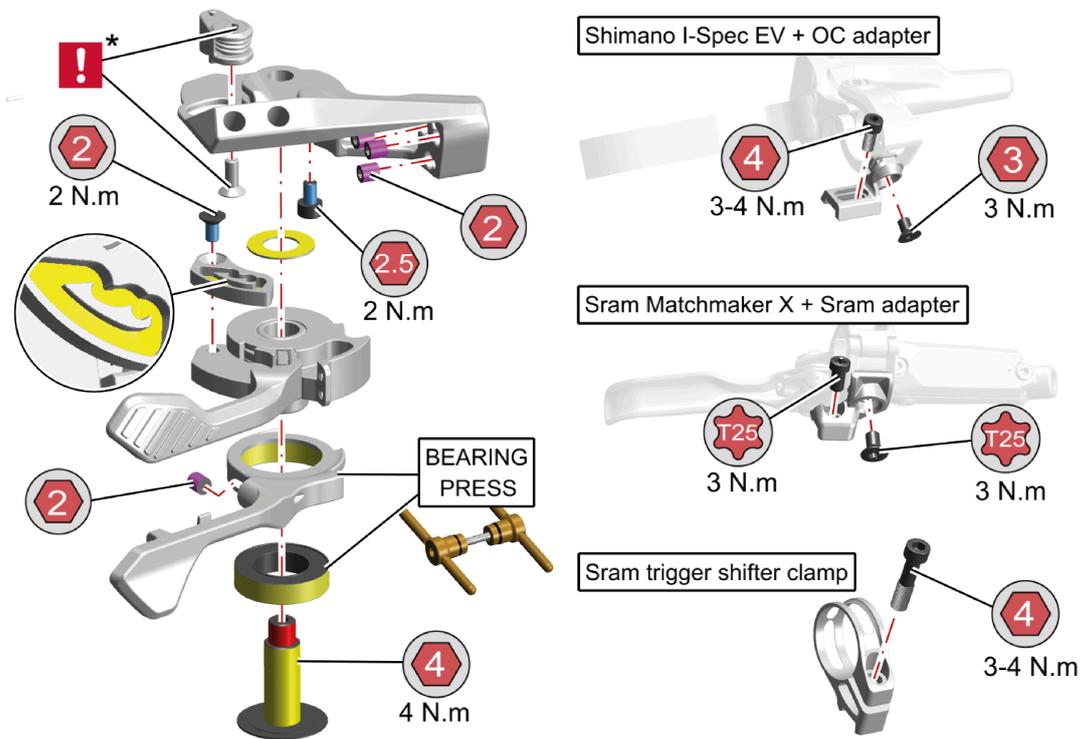


5. Assemble the remote again, applying Loctite 271 threadlock on the thread of the shaft if not already applied, and lightly grease the shaft body.

NOTICE

When assembling the cams in the remote body, check that the lug of the locking mechanism lines up with the cable pull insert groove before tightening the shaft. Otherwise the locking mechanism may be damaged upon tightening the shaft and the remote may not work.

10 TIGHTENING TORQUES AND ASSEMBLY COMPOUNDS. OVERVIEW



! The locking mechanism retaining bolt cannot be removed from the body of the remote by the dealer or user.

ASSEMBLY COMPOUNDS COLOUR LEGEND

COLOUR	TYPE	DESCRIPTION
	LUBRICATION	GREASE: Assembly grease to avoid creaking and seizing.
	RETAINING	THREADLOCK: High strength. Loctite 271 type.
	RETAINING	THREADLOCK: Medium strength. Loctite 243 type.
	RETAINING	ND PATCH THREADLOCK: Nylon threadlock pre-applied by the manufacturer. The component can be installed again without applying threadlock again. If the compound stops working, the component should be replaced with a new component with pre-applied compound.

11 RL-MP11 REMOTE SPARE PARTS

Always use original OC spare parts.



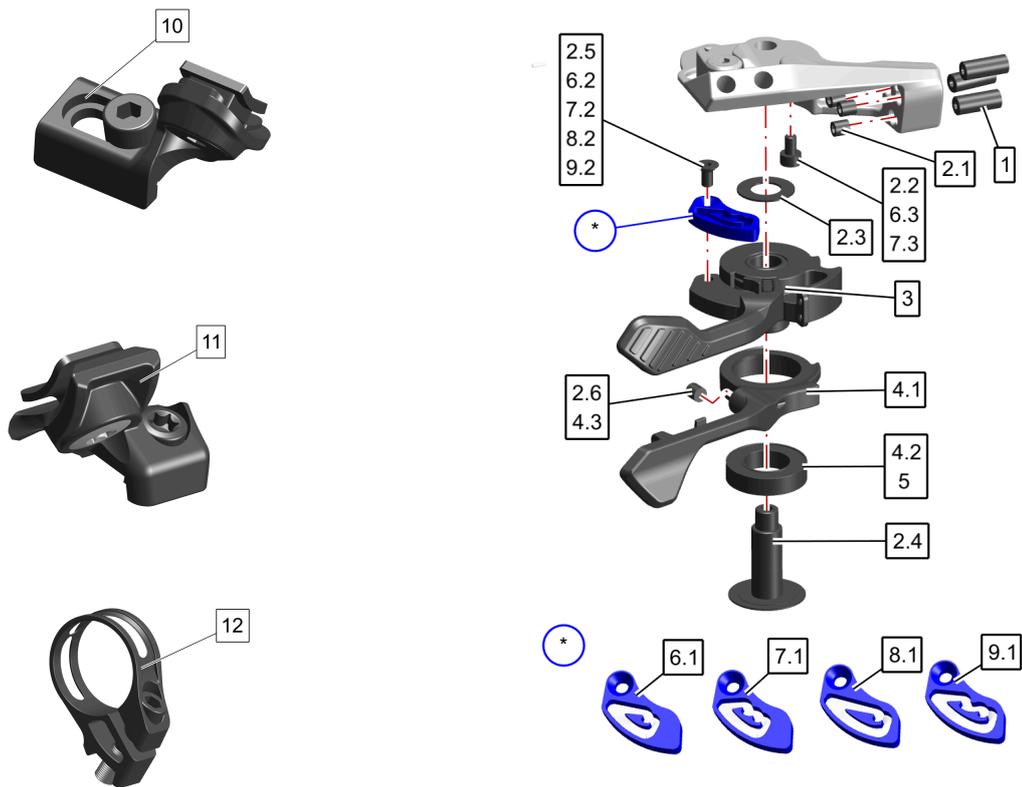
The use of non-original spare parts can cause damage resulting in breakdowns and accidents with severe consequences. The installation of several of the parts shown in this technical manual is beyond the mechanical knowledge of most bicycle users. If you are not qualified to install these parts, always go to an Orbea dealer for your bicycle's maintenance. Failure to install spare parts properly can result in breakdowns, accidents and serious injuries.

NOTICE

The installation of non-original spare parts or incorrect installation may cause damage to the component or your bicycle that is not covered by the warranty.

See the full Orbea spare parts catalogue on our web site:

www.orbea.com/gb-en/gear/spare-parts/



Click on the part number to buy online

1. JAGWIRE 4mm FERRULE KIT			PART No.: X402
			QTY
	1	Jagwire 4mm ferrule	10

2. RL-MP11 BOLT KIT		PART NO.: XG51	
		QTY	
	2.1	M4 DIN913 tension adjuster grub screw (with Nylon Patch)	3
	2.2	M3 bolt DIN912 5+5/10 stopper	1
	2.3	Cam-body spacer washer	1
	2.4	RL-MP11 remote shaft	1
	2.5	M3 bolt DIN7991 cable pull insert	1
	2.6	M4 dropper cam grub screw DIN913 (with Nylon Patch)	1
3. SUSPENSION LOCKING CAM SET		PART NO.: XG55	
		QTY	
	3	Suspension locking cam set	1
4. DROPPER SEATPOST CABLE CAM		PART NO.: XG63	
		QTY	
	4.1	Dropper seatpost cable cam	1
	4.2	Bearing 6801	1
	4.3	M4 dropper cam grub screw DIN913 (with Nylon Patch)	1
5. DROPPER CAM BEARING		PART No.: X853	
		QTY	
	5	Bearing 6801	1
6. CABLE PULL INSERT 10mm 2 POSITIONS		PART NO.: XG64	
		QTY	
	6.1	10mm cable pull insert	1
	6.2	M3 bolt DIN7991 cable pull insert	1
	6.3	M3 bolt DIN912 5+5/10 stopper	1
7. CABLE PULL INSERT 5+5mm 3 POSITIONS		PART NO.: XG65	
		QTY	
	7.1	5+5mm cable pull insert	1
	7.2	M3 bolt DIN7991 cable pull insert	1
	7.3	M3 bolt DIN912 5+5/10 stopper	1

8. CABLE PULL INSERT 14mm 2 POSITIONS			PART NO.: XG66
			QTY
	8.1	14mm cable pull insert	1
	8.2	M3 bolt DIN7991 cable pull insert	1
9. CABLE PULL INSERT 7+7mm 3 POSITIONS			PART NO.: XG67
			QTY
	9.1	7+7mm cable pull insert	1
	9.2	M3 bolt DIN7991 cable pull insert	1
10. ADAPTER MATCHMAKER X TO SHIMANO I-SPEC EV			PART NO.: XH07
			QTY
	10	Adapter Matchmaker X to Shimano I-Spec EV + hardware	1
11. ADAPTER MATCHMAKER X TO SRAM BRAKE			PART NO.: XH09
			QTY
	11	Adapter Matchmaker X to Sram brake+clamp (left)	1
12. CLAMP SRAM 22.2mm MATCHMAKER TRIGGER SHIFTER			PART NO.: XH08
			QTY
	12	Clamp Sram 22.2mm Matchmaker trigger shifter	1

12 ADDITIONAL INFORMATION

Find more information about Orbea on social media

FACEBOOK

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INSTAGRAM

www.instagram.com/orbeabicycles

LINKEDIN

www.linkedin.com/company/orbea-s-coop

YOUTUBE

www.youtube.com/user/OrbeaBicycles

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Goitondo Kalea, 2, 48269 Mallabia, Bizkaia. Spain

T. 0034 943 17 19 50

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