

SHADOW REAR DERAILLEUR: Installation

For best performance, the rear derailleur should be installed and adjusted precisely according to the service instructions. Even the slightest misadjustment can result in poorer performance. Here are some tips for you.

Important notes:



Periodically check that there is no gap between the dropout and the bracket, as this could cause problems with gear shifting performance.

Installation



While keeping the rear derailleur in the correct position, tighten the bolt.

Tightening torque: 8 – 10 Nm

Outer casing length



1. Loosen the B-tension adjustment screw.



2. Check that there is enough slack in the outer casing. Next, align the outer casing with the bottom edge of the outer casing holder at the rear derailleur and then cut off any excess length of outer casing.

Note:

The distance between the outer stopper and the outer casing holder of the rear derailleur may change when the rear suspension moves, so determine the length of the outer casing at the point where this length is at its greatest.

Fixing the cable

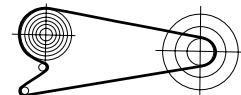


Tighten the cable bolt.

Tightening torque: 5 – 7 Nm

Cut the inner cable so that it does not interfere with the wheel spokes. Finally, install the end cap to prevent the cable from unravelling.

B-tension adjustment



1. Shift the chain to the smallest chainring and the largest sprocket.



2. Then turn the B-tension adjustment screw to adjust the G-G distance so that the distance between the guide pulley and the sprocket is 5 – 6 mm. (Picture without chain for greater clarity).

SHADOW REAR DERAILLEUR: G-G distance

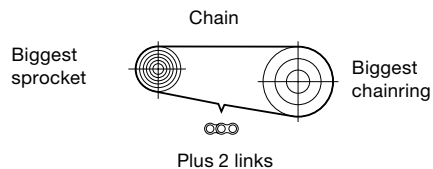
SHIMANO
XTR

SHIMANO *Deore*
XT

Distance between the rear derailleur guide pulley and biggest sprocket.

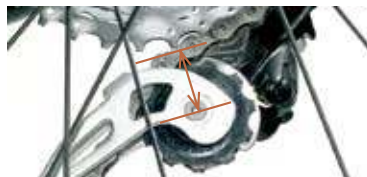
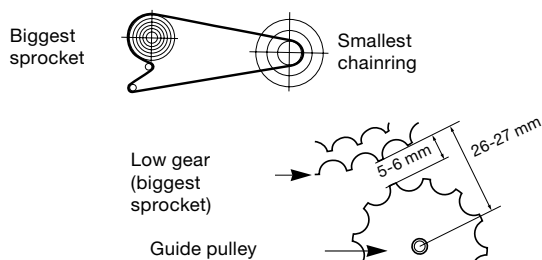
For the new XTR and DEORE XT Shadow rear derailleurs (RD-M972/RD-M772), it is very important to set the distance between the RD guide pulley and the biggest sprocket correctly. This is the only way to obtain 100% performance. (This distance should of course always be set correctly for all other rear derailleurs, too.)

The procedure is as follows:



1. Set the correct chain length

Put the chain on the biggest sprocket and the biggest chainring without guiding the chain through the derailleur. Now add two links to the chain to obtain the right length. Guide the chain through the derailleur and connect the chain.



B-tension adjustment screws

To increase the G-G distance:
turn clockwise
To decrease the G-G distance:
turn counterclockwise

2. Set the G-G distance

Shift to the biggest sprocket and the smallest chainring. Now set the G-G distance using the B-tension adjustment screw so that the center of the guide pulley is at a distance of 26 to 27 mm from the top of the gear. With this setting, the distance between the teeth of the guide pulley and the gear is 5-6 mm.