

The Stein Mini Cassette Lock Tool

Stein Mini Cassette Lockring Driver Shimano



TL4043

Made in United States



Designed and Manufactured by:

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THE MINI CASSETTE LOCK TOOL designed to remove or install Shimano Cassette Lockrings without the need for a wrench or a cog holding wrench (Stein Hyperhandle or chain whip). It is generally a tool used for EMERGENCY USE while touring away from a bicycle shop. The Mini CASSETTE LOCK tool reacts against the back of the frame dropout when removing the lockring. Do not let the mini lock react against the derailleur hanger during installation or removal or frame damage may occur!

THE MINI CASSETTE LOCK TOOL consists of the splined driver plate and a threaded reacting pin with a 4mm Allen wrench socket. Spacer washers are included for use with vintage cassettes.

NOTE: It is important to be sure that the lockring has not been over-torqued or corroded in place. Use a conventional lockring tool to set the lockring to the specified torque and check for corrosion of the threads.

LOCKRING REMOVAL

STEP 1

Shift to the inner front chainwheel. Remove the rear wheel. Install the splined driver of the tool into the cassette lockring. If the distance from the inner face of the dropout to the cassette lockring is more than 3 mm, install one or more of the spacers provided between the tool and the dropout. This will assure that the tool will not slip out of the splines of the lockring.

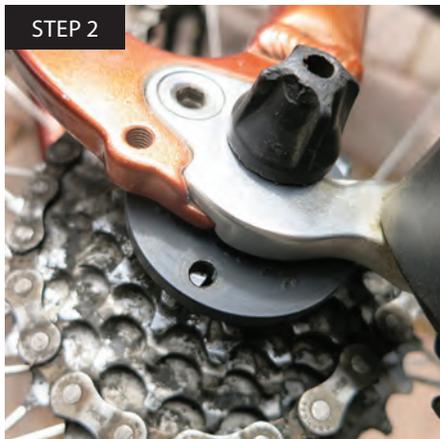


STEP 2

Install the wheel into the rear dropouts and position the chain over the cassette teeth, preferably shifted to one of the larger cogs of the cassette. Rotate the driver until it is in approximately in the position shown in the photo to the right. The skewer only needs to be snug enough to hold the wheel in place.

STEP 3

Install the threaded stud using a 4mm Allen wrench. Tighten securely!



STEP 4

will turn the tool slightly until the stud contacts the dropout. Carefully, continue to turn the cranks and the lockring will begin to unscrew from the cassette body. Stop crank movement once the lockring has turned enough to break it free, about one quarter revolution of the wheel. Remove the socket head screw stud of the Mini Cassette Lock. Remove the rear wheel and you can use the driver plate to remove the lockring the rest of the way.



LOCKRING INSTALLATION

Because the derailleur hangers of many frames are quite weak, do not let the mini lock react against the derailleur hanger during installation or removal or frame damage may occur! Instead, assemble the Mini LOCK in the position shown in the bottom photo. Grab the wheel and slowly turn the wheel backwards (counter clockwise from the chain side) to secure the lockring. Do not overtighten! Disassemble the Mini LOCK and skewer, reinstall the wheel, and you are set to go!

