

V-Twin Mfg.
10-0485 Primary Cam Drive Chain Tensioner
10-0486 Secondary Cam Drive Chain Tensioner
16-0793 Cam Chain Unloader Tool

This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.

When removing and installing the the Primary and Secondary Chain Tensioners be sure to use the Jims Cam Chain Tensioner Unloader tool VT No. 16-0793. This will unload the pressure on the primary and secondary chain tensioners to assemble and disassemble cams. This tool also checks spring loads on chain tensioners.

Refer to your H-D® service manual for specifications – Be sure to read all steps before performing work. Also when using this tool please follow instructions to prevent personal injury. Always wear eye protection when working with springs and other parts that could cause injury, and always disconnect the negative cable on the battery.

The purpose of this tool is to release the pressure from the cam chain tensioner, for the removal of the cams. The retention pins are used to hold the tensioner away from the chain to remove it.

Installation Instructions:

1. Place cam support plate in the vice using soft jaws to prevent casting damage.
2. Place the cup end of the tensioner unloader over the end of the spring coil of the tensioner.
3. Position the finger on tool between tensioner and shoe. Using a 1 1/4" socket on a ratchet, place socket on end of tensioner and turn counter-clockwise until the hole in the tensioner line up with the hole in the support plate.
4. Insert a retention pin through the hooks on tensioner and into the support plate on the primary cam chain side of cam support plate.
5. Do not remove the retention pins from the primary or secondary cam chain tensioners with the chains and sprocket removed. The tensioners have 35-40 pounds of spring pressure behind the tensioner and if the pins are pulled directly out it will cause stretching of the spring and or cracking of the tensioner shoe. Which will require replacement of the tensioners.
6. When retracted hold the cam chain tensioner using the Cam Chain Tensioner Unloader Tool to remove the retention pins and ease the assembly into the unloaded position.