

Olson Kustom Works

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Billet HD Tensioner Upgrade For Truck/SUV Offset

Thank you for your purchase from OKW. If you have any questions about your products feel free to call or email!
A copy of this manual is available on our website, OKW-Inc.com under "Products"

Kit Contents:

- Billet HD Tensioner Bracket Body
- 2x 1.545" Round Spacers
- 2x M10 Grade 10.9 Washers
- 1x M10x110mm Bolt
- 1x M10 Nyloc Nut
- 3x M10 Spacers .140" Thick (for Innovators West or ATI +2 spacing only)
- 6x M10 Plain Washer (For additional forward shimming if needed)

Installation is as simple as removing the stock tensioner assembly, and replacing it with the supplied bracket. The factory hardware can be reused on the bracket itself to bolt to the water pump. If you are running an Innovators West or ATI add-on balancer that adds 2 ribs forward on the truck 6 rib offset, you will need to add the .140" thick shims BEHIND the bracket to space it forward (away from the engine) to get it to line up properly. Some installs will need to be shimmed with some thinner washers to get the alignment exact, since there is some variance in water pumps, tensioner bodies, and overall setups. Find where it sits and runs happy after a few miles. The tensioner body itself should start at somewhere between 12 o'clock and 2 o'clock when relaxed, and when a belt is installed it should sit somewhere around 3-4 o'clock. The tensioner body has a large range of rotation, and the more preload on the belt, the better. There are 3 options to clock the bracket itself, use whichever one you prefer to get your ideal preload, clearance and belt length.

Using the supplied M10x110mm hex head bolt, gold washers, and locknut, bolt the tensioner to the bracket, and tighten until its fairly snug, but not cranked down super hard. Make sure the motion of the tensioner arm is smooth and it doesn't get stuck or jumpy. Tightening down the bolt too much will cause the arm to bind. For the LSA offset (6 or 8 ribs) there are no additional spacers required since the offset is already correct for the belt, just the 2 main 1.545" spacers.

