

# Olson Kustom Works

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## HD Tensioner Upgrade For Vette Belt Offsets

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A copy of this manual is available on our website, OKW-Inc.com under "Product Support"

### Kit Contents:

Billet HD Tensioner Bracket Body  
1x 2.695" Billet Round Spacer  
2x 0.220" Billet Round Spacers  
2x M10x30mm Hex Head Bolt (Bracket to Water Pump)  
1x M10x90mm Hex Head Bolt (Bracket to Head)  
1x M10x110mm Hex Head Bolt (Tensioner to Bracket)  
9x M10 Plain Washers  
2x M10 Grade 10.9 Washers (Yellow)  
1x M10 Nyloc Nut

Installation is as simple as removing the stock tensioner assembly, and replacing it with the supplied bracket. The 2.695" spacer goes between the tensioner bracket and the cylinder head with the 90mm long bolts, and the 2 30mm bolts, and the short .220" spacers go between the water pump and the tensioner bracket. Install all the bolts finger tight to make sure it is all aligned, and then tighten them all to 37lb/ft.

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.

Using the supplied M10x110mm bolt, yellow 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. The tensioner body should "compress" a bit, once it stops compressing, its tight enough.

For the Vette offset (6 or 8 ribs) there are no spacers required since the offset is already correct for the belt. If you are running on an IW or ATI balancer that adds 2 ribs forward from a stock 6 rib offset, there are no shims needed. The belt in a stock 6 rib configuration will ride on the REAR 6 ribs of the tensioner pulley. We have included 6 additional 10mm plain washers, in case the belt wants to "settle" into a groove other than described. Tolerance in the tensioner itself may lead to slight alignment variances. If the belt jumps forward, add 1 washer to each mounting bolt until it no longer jumps forward. It shouldn't ever jump back, but if it does the spacers will need to be shortened.

