

Billet Speed

Alternator Bracket Install

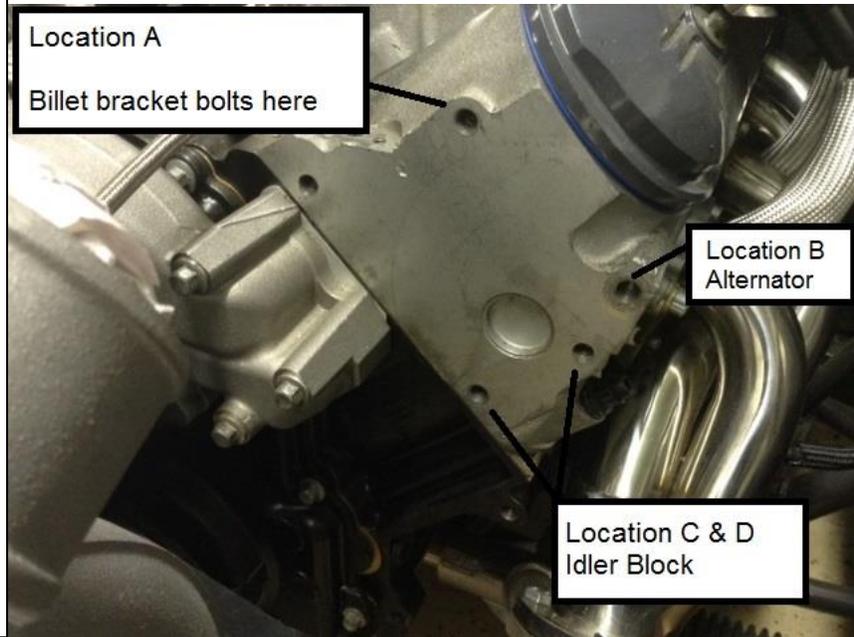
Tools required:

15mm and 17mm socket

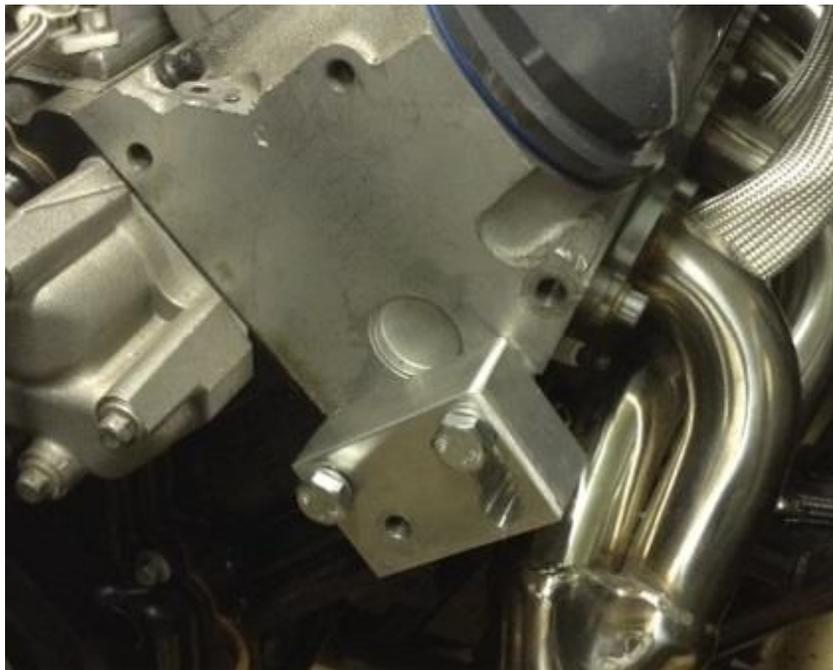
Ratchet

17mm wrench

68.5" Belt for factory balancer diameter



Idler Block install



Using two M10x50mm bolts and lock washers, start threading the idler block on as shown at location C & D, with slot on the right side toward fender. Pivot block all the way down as slot allows and tighten both with 17mm socket. **The slot is only used to tension belt when using this in an electric water pump application when no factory tensioner/water pump pulley is present.**



Slide the idler pulley on the aluminum boss.

Use the longest bolt included, with a split washer first, and then the hardened washer.

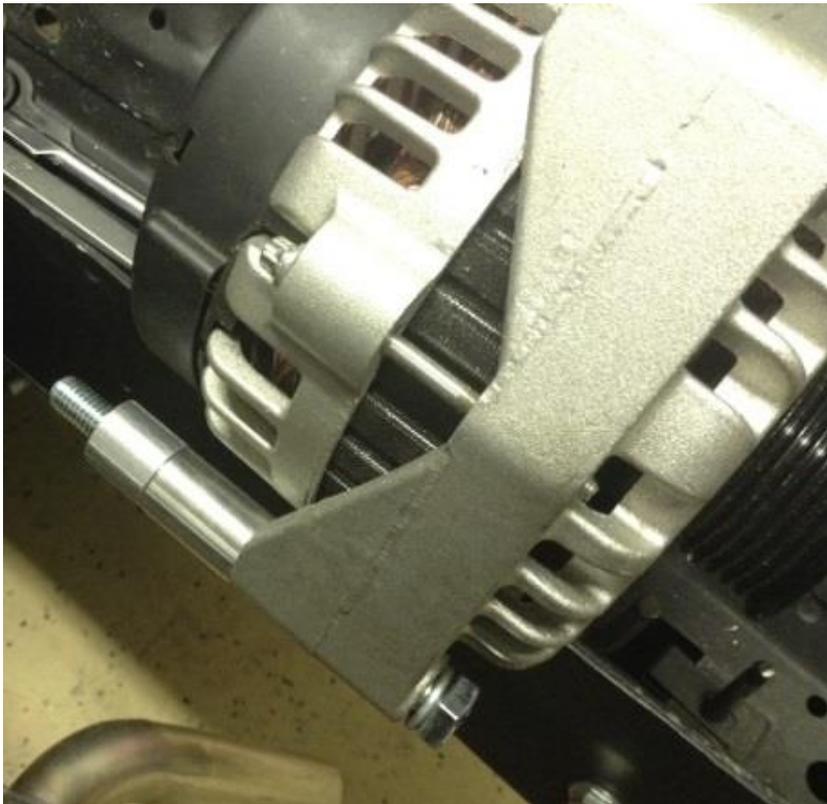


Use the supplied $\frac{3}{4}$ " spacer only if using truck balancer.



Tighten with 17mm.

Alternator Install

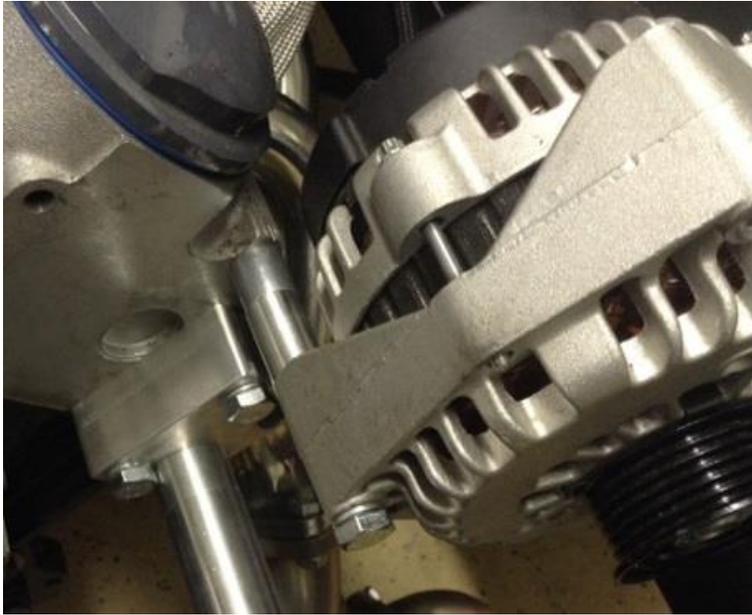


The alternator should bolt on with the plug at 3 o'clock, straight toward driver fender.

With it oriented like this, use the remaining long bolt (M10x120mm) through the lower lug.

In truck balancer applications, use a supplied $\frac{3}{4}$ " long spacer in addition to the longest one. (As pictured)

In Camaro balancer applications, use the longest spacer only. It is approximately 1 1/8".



Using a 17mm socket, snug this bolt at location B so that alternator will hold in position, but still rotate.

Install bracket, as shown below, against head at location A, using the longest bolt (130mm).



Insert the M10x120mm bolt through the first bracket and alternator. Then insert spacer(s) between alternator and second bracket. **Camaro uses the shortest**

spacer only (5/8"). Truck balancer/ 5th gen Camaro uses the 5/8 spacer and a 3/4" spacer.

Install lock washer and nut. Tighten using 17mm socket and wrench. Tighten lower alternator point (location B) and bracket to cylinder head (location A).

Double check everything for tightness and then install the serpentine belt.

Belt Routing



Using a 15mm socket, rotate tensioner clockwise to get belt on. Use a 68.5" belt with stock diameter balancers. 49" belt for electric water pump