



Detroit Speed, Inc.
Alternator Relocation Bracket
P/N: 060436

The Detroit Speed, Inc. Alternator Relocation Bracket is designed to be used when installing the Ford Coyote engine into the DSE Aluma-Frame front suspension for your 1964.5-70 Mustang. This is a billet aluminum bracket that allows the alternator to gain clearance at the framerail. It includes an ARP bolt and comes in a black anodized finish. The factory length serpentine belt can still be used with this bracket.



Item	Description	Quantity
1	Alternator Relocation Bracket	1
2	1/2"-13 x 1" L Stainless Steel Flange Bolt	1
3	M8 x 1.25 x 80mm Socket Head Cap Screw	2
4	Instructions	1

NOTE: The DSE Aluma-Frame will still need modification when installing the Coyote engine as instructed below. The DSE engine mount kit and headers will also need to be used with this engine in the DSE Aluma-Frame.

Detroit Speed recommends using the following parts with your engine installation:

- CR3Z10346A - Ford Alternator
- BR3Z6B209H - Ford Tensioner
- BR3Z8620D - Ford Serpentine Belt

Installation:

1. Before the alternator can be installed, the steel framerail mounting adapter on the Aluma-Frame front suspension must be modified. Remove the 1/4" flange on the top side of the adapter measuring 7-5/8" back from the front edge so that it is flush with the base of the steel adapter (Figure 1).

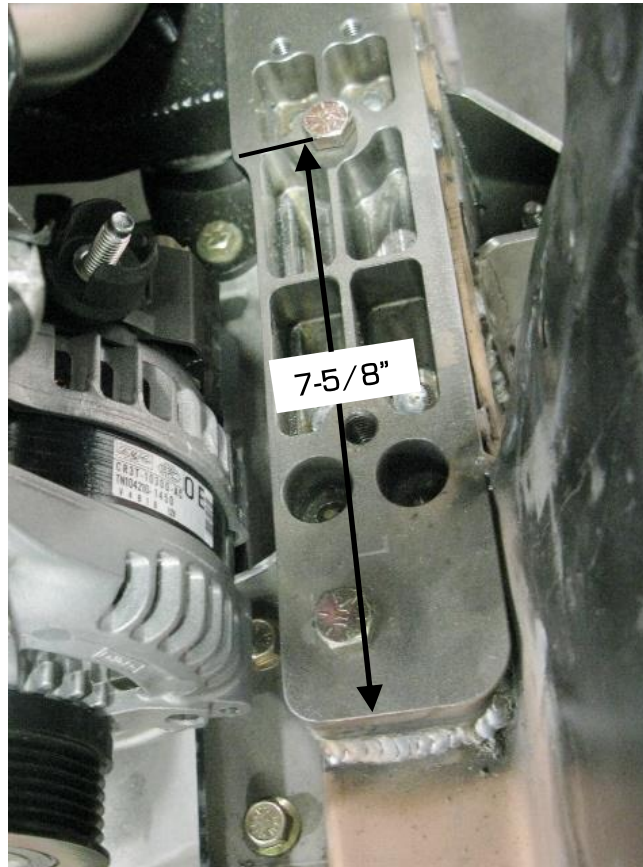


Figure 1 - Modify Framerail Adapter

2. Remove the same amount of material that was removed from the framerail adapter plate to the upper control bracket and shims (Figure 2).



Figure 2 - Modify Upper Control Arm Bracket & Shims

3. Modify the rear gusset of the framerail ARB Bracket to match the contour of the alternator (Figure 3). This modification will help if the alternator needs to be replaced.

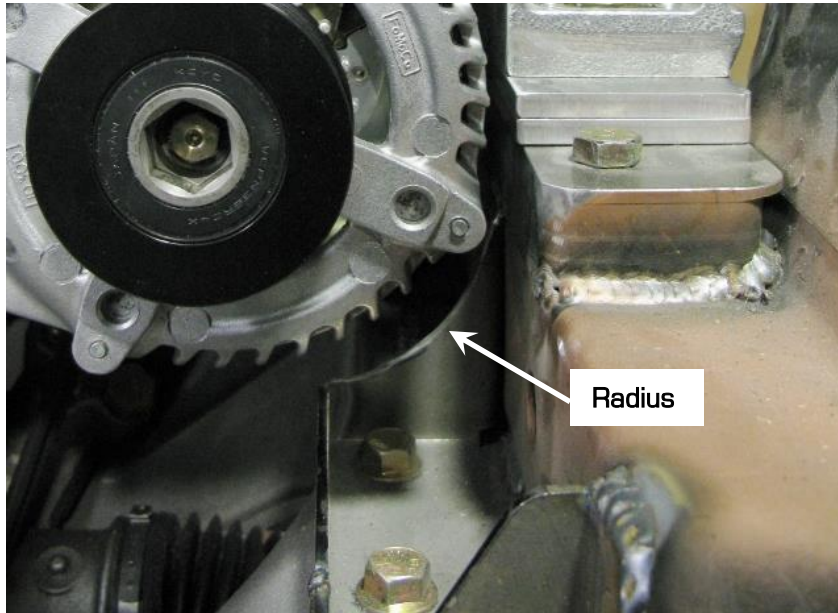


Figure 3 - Modify ARB Bracket

4. Remove the 2 front cover bolts above the alternator (Figure 4). These bolts will not be re-used with the DSE relocation bracket.

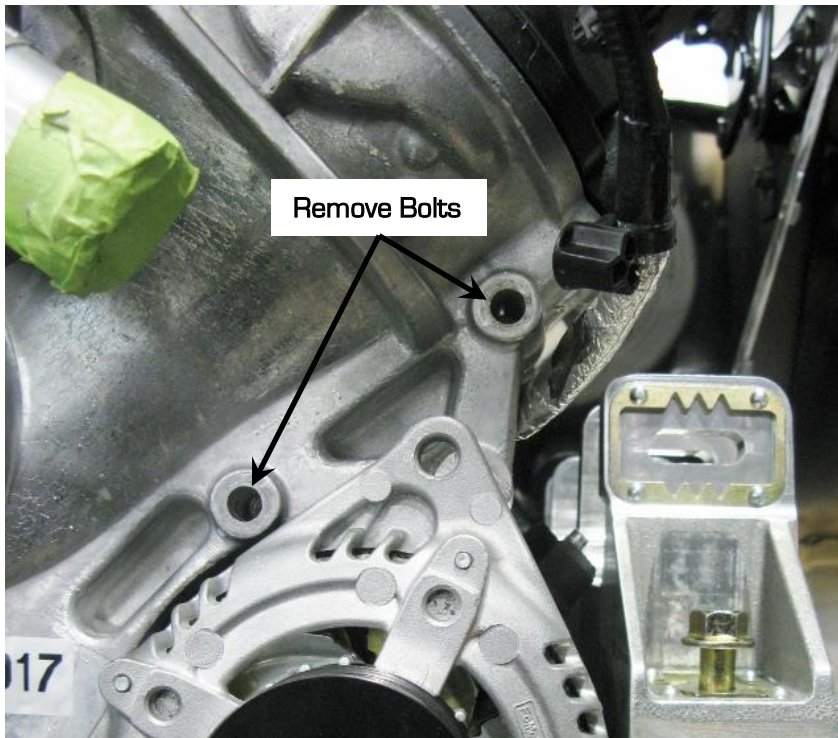


Figure 4 - Remove 2 Front Cover Bolts

5. Install the 1/2"-13 bolt into the alternator relocation bracket using blue, medium strength Loctite. Torque to 45 ft-lbs.

6. Install the alternator and the relocation bracket to the front cover using the provided M8 x 1.25 x 80mm socket head cap screws using blue, medium strength Loctite (Figure 5). Torque the bolts to 20 ft-lbs. **NOTE:** The bolts in Figure 5 do not match the bolts in the kit.



Figure 5 - Install Relocation Bracket

If you have any questions before or during the installation of this product please contact Detroit Speed Inc. at info@detroitsspeed.com or 704.662.3272

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