

# Triple Alternator Bracket Kits for GM Trucks

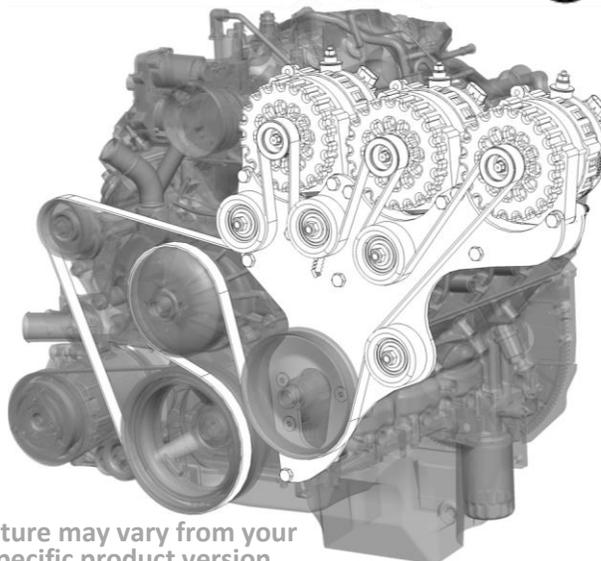


If you are experiencing problems upon installation - DO NOT RETURN THIS PRODUCT!

Most installation problems can be easily solved.

First contact technical support at:  
[support@mechman.com](mailto:support@mechman.com)  
 1 (888) MECHMAN or 865-522-6166

**ATTENTION!!!** The most overlooked step in this assembly process is to **PERMANENTLY REMOVE THE POWER STEERING PUMP'S REAR BRACKET**. Not following this in STEP 8 will add undue challenges to your installation process.



Picture may vary from your specific product version.

## BRACKET CONTENTS

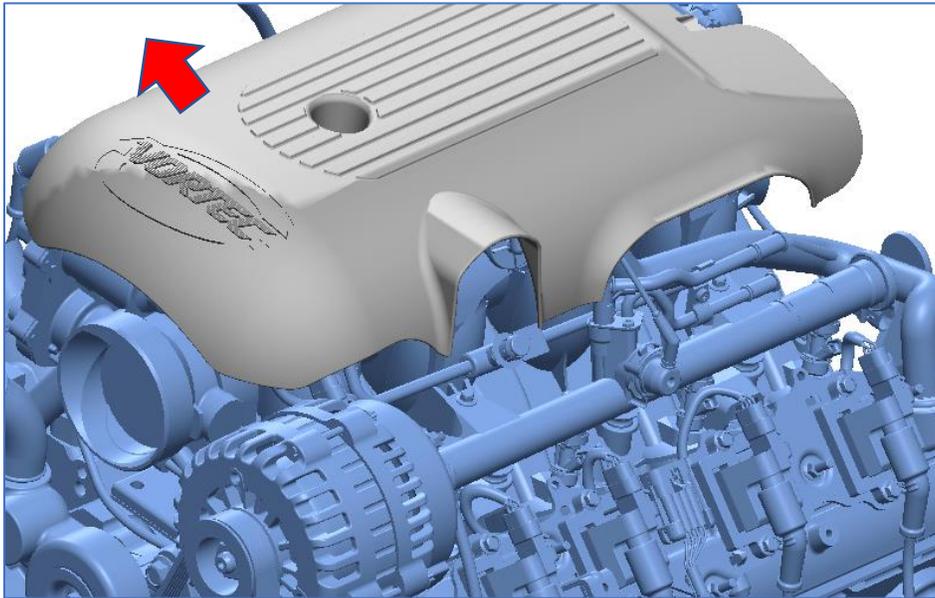
D300 Triple Alternator Bracket					
Picture	Package Label	Quantity	Description	Item	Part Number
		1	Front	Plate	TRIP ALT BKT-FT PLATE
		1	Rear	Plate	TRIP ALT BKT-RR PLATE
	C	1	.352 Long	Spacer	DBL ALT BKT-SPACER C
	B	2	.665 Long	Spacer	DBL ALT BKT-SPACER B
	A	3	1.612 Long	Spacer	DBL ALT BKT-SPACER A
	D	4	2.00 Long	Spacer	DBL ALT BKT-SPACER D
	F	1	3.900 Long	Spacer	DBL ALT BKT-SPACER F
	G	4	For Idler Pulley	Step Spacer	DBL ALT BKT-STP SPACER G
	BG	11	M10-1.5	Nyloc Nut	1140167 BG
	BC	1	M10-1.5x30	Hex Bolt	0153986 BC
	BB	2	M10-1.5x40	Hex Bolt	0153988 BB
	BH	4	M10-1.5x50	Carriage Bolt	11115268 BH
	BE	7	M10-1.5x75	Hex Bolt	1138665 BE
	BA	4	M10-1.5-130	Hex Bolt	1138671 BA
	BF	4	M10 Thick	Washer	11509273 BF
		4	76mm O.D.	Idler Pulley	38028
		1	6-groove Serp.	Belt	K061369
		1	Med. Strength	Threadlocker	DBL ALT BKT-THREADLOCKER

# INSTRUCTIONS

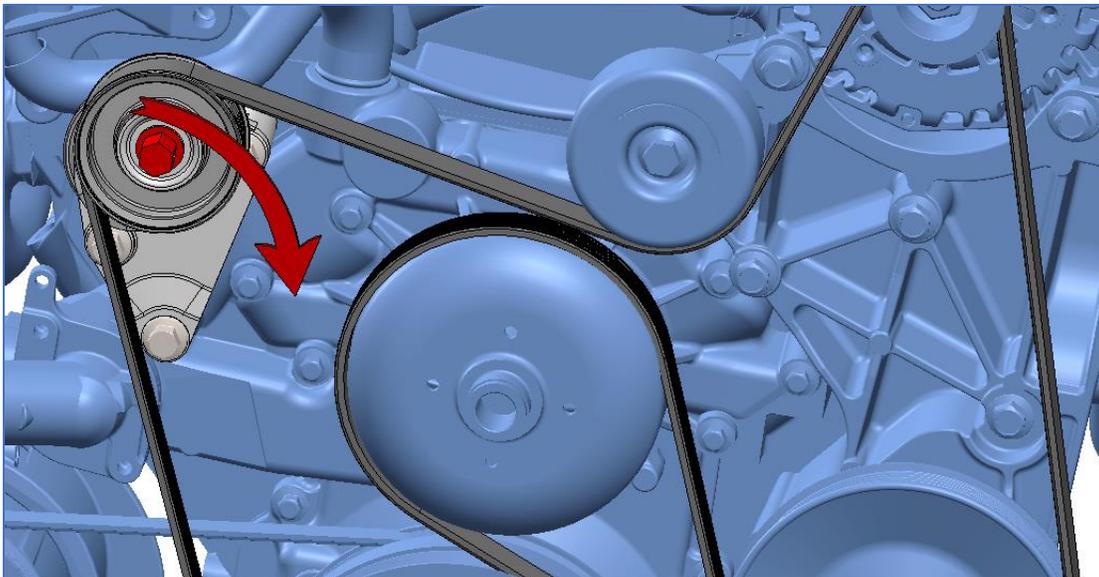
**NOTE:** This bracket's application covers several vehicle models and years. Some details in the graphics may look slightly different on your application.

## Disassembly

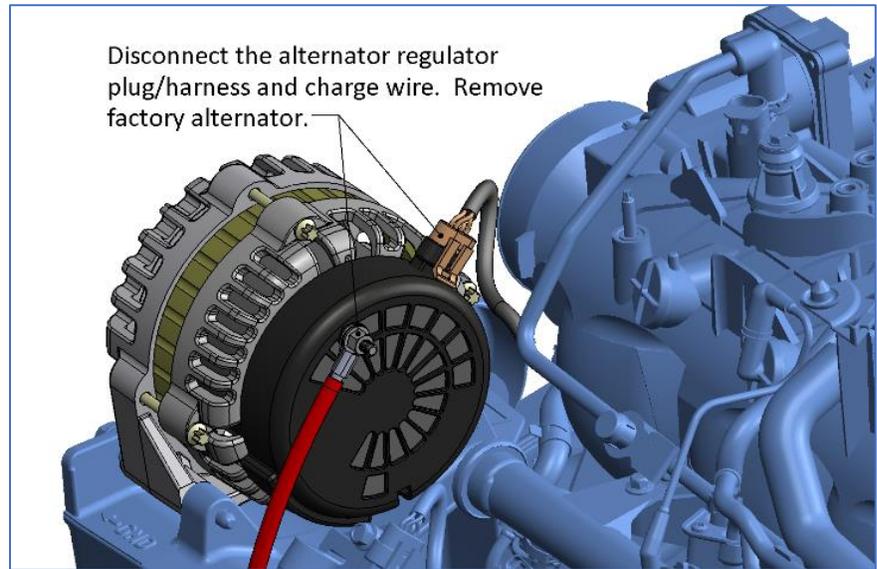
1. Disconnect the negative battery cable before installation. If there are multiple batteries, be certain all chassis grounds are disconnected.
2. To ease the installation process, remove the cosmetic engine cover and upper fan shroud. These components vary on different vehicles. See your vehicle's service manual for the removal process if needed.



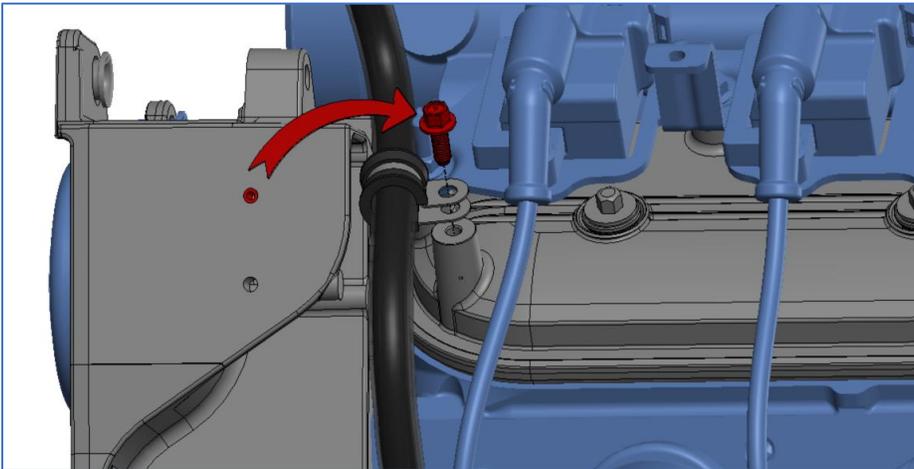
3. Remove the main accessory belt by rotating the tensioner clockwise.



4. Remove the alternator.



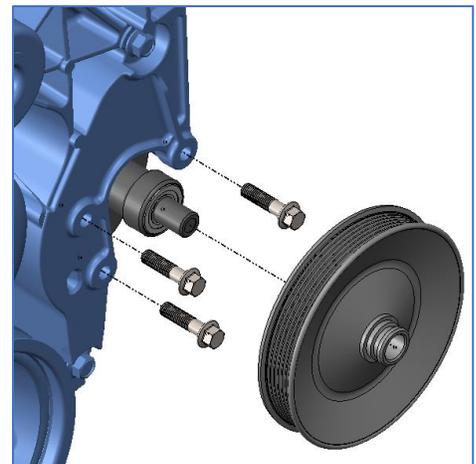
5. Remove the wiring harness that is attached to the side of your factory alternator bracket. Tie this harness safely out of the way clear of heat from exhaust or anything that could cause abrasion. On some applications the harness strap can be relocated to one of the unused valve cover bosses.



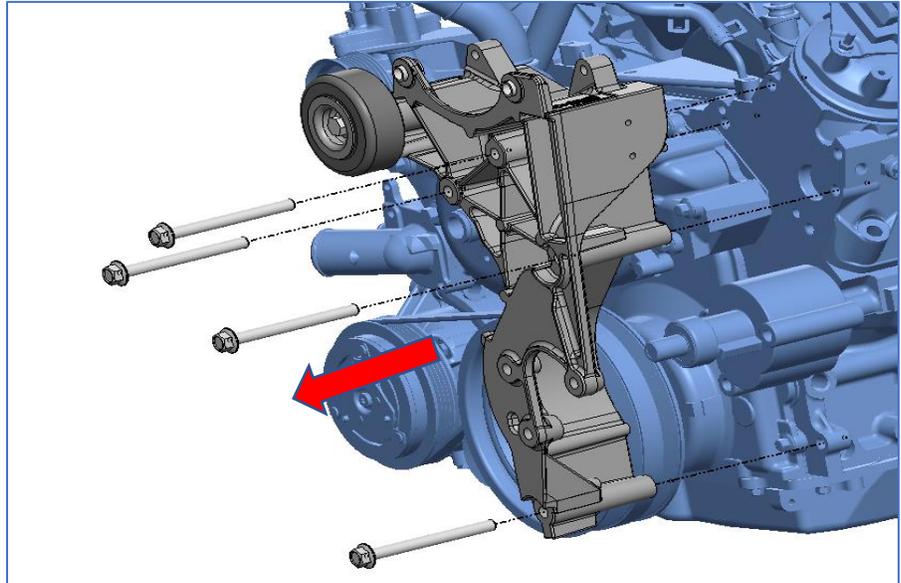
6. Using a power steering pulley puller, remove the pulley from the pump. A puller / installer tool kit can be rented at most auto parts stores.

**8. IMPORTANT STEP:** Next remove the bracket from the rear of the pump. This bracket will no longer be needed with the installation of this kit.

9. Then remove the three mounting bolts from the front.



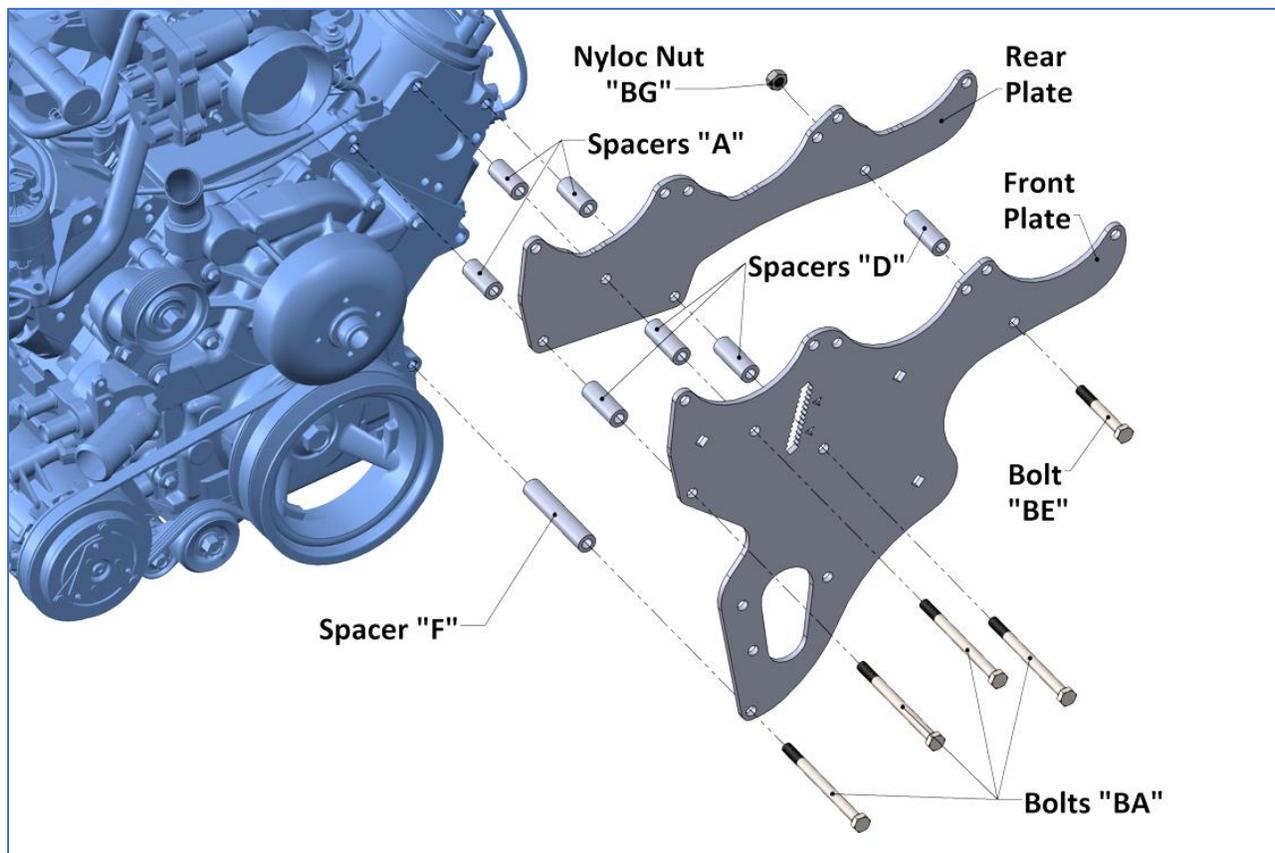
9. Remove the four alternator bracket mounting bolts and remove the factory bracket.



## Assembly

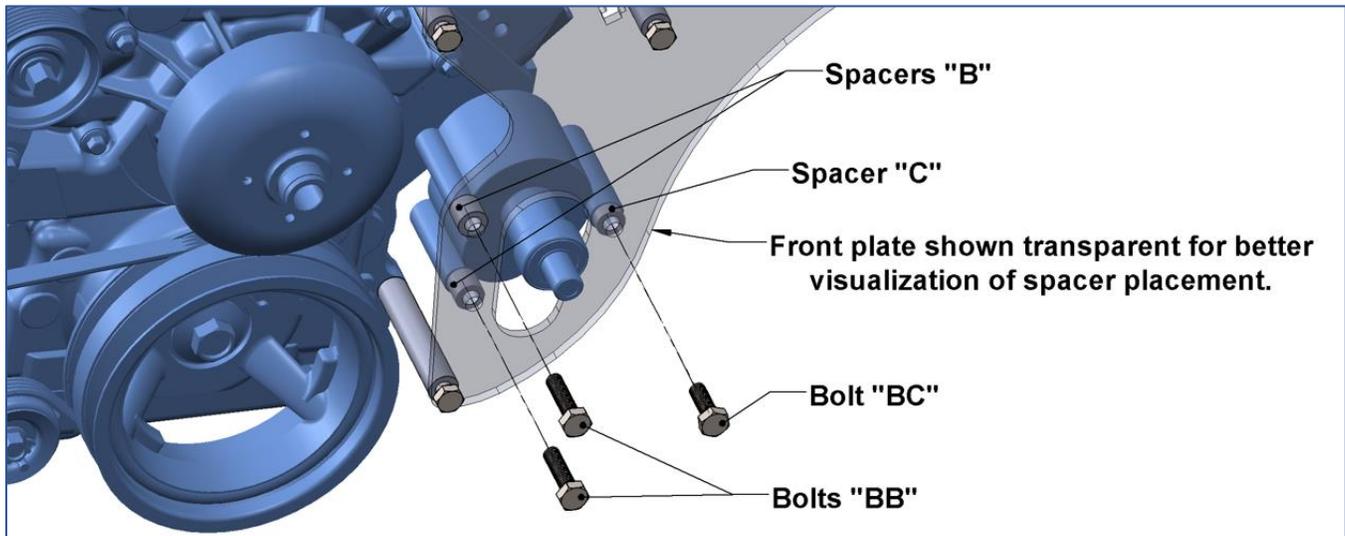
**NOTE:** Make sure all mounting points on the engine and brackets are clean of paint and debris.

10. Assemble as shown:



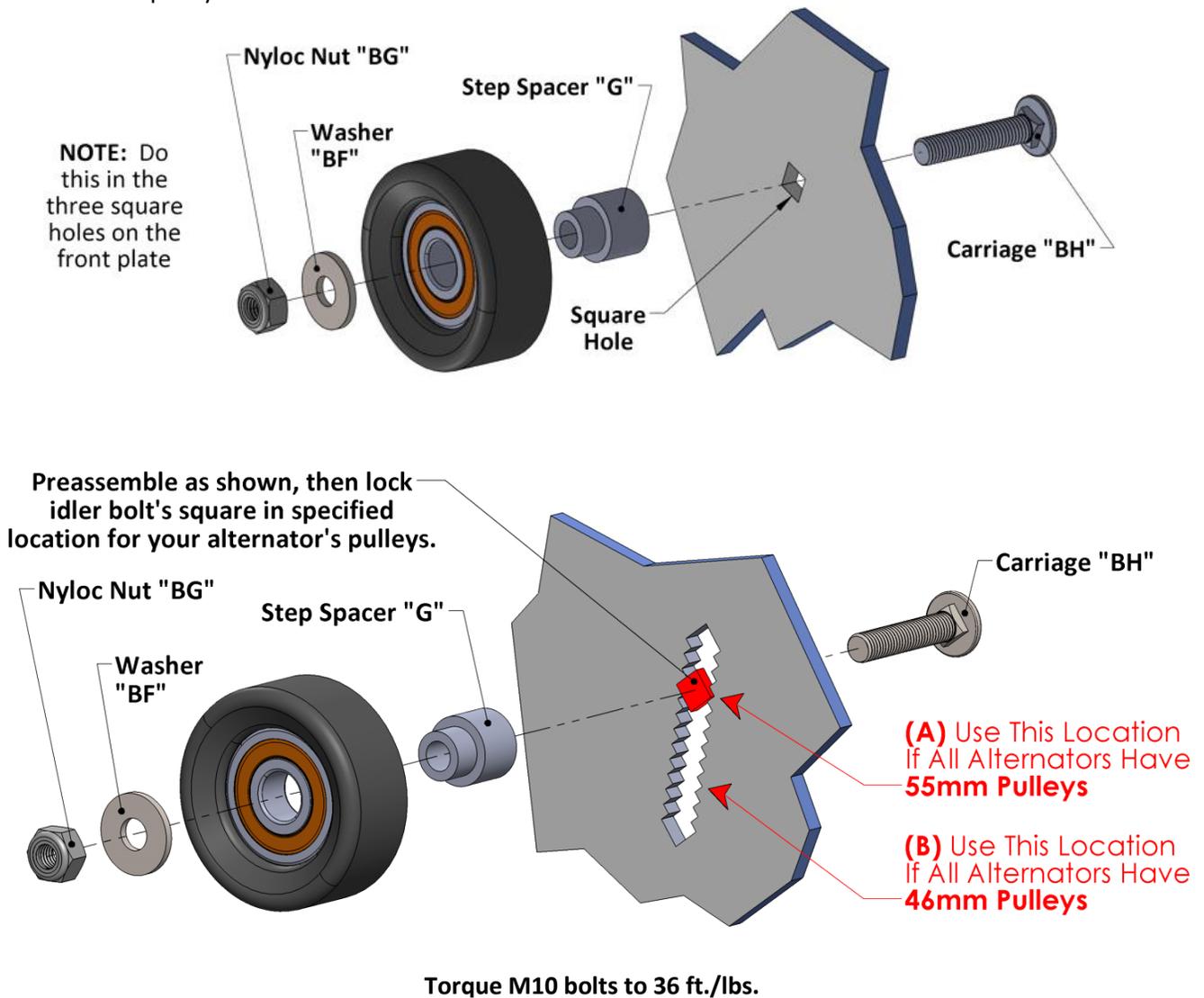
Apply supplied thread locker. Torque M10 bolts to 36 ft./lbs.

11. Install power steering pump bolts as shown (confirm P/S pump rear bracket was previously removed):

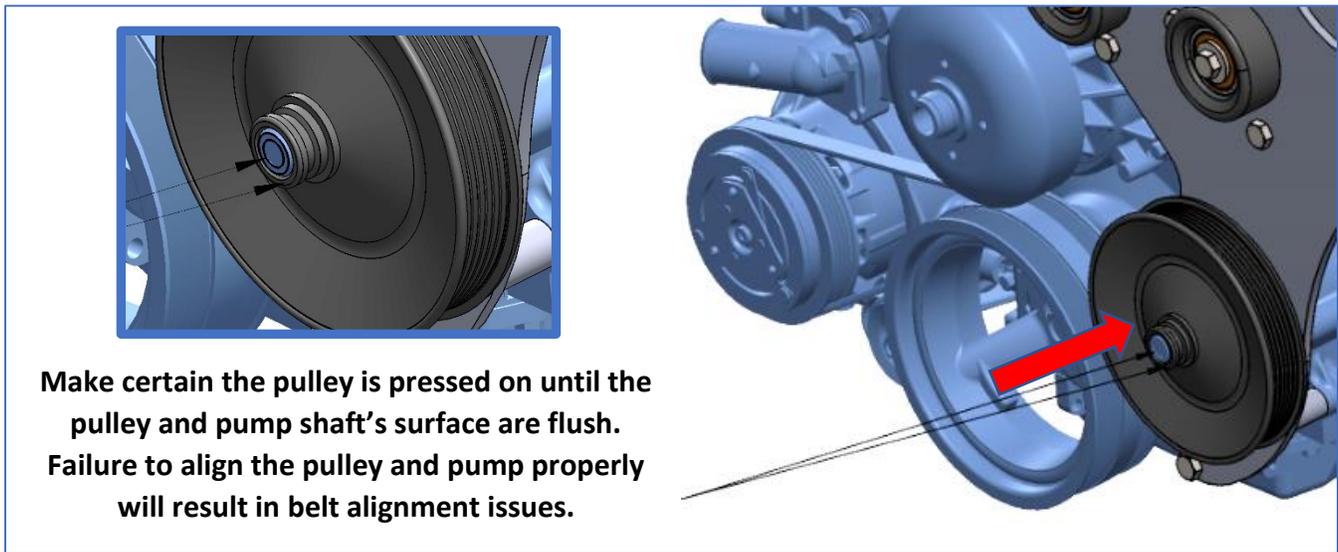


Apply supplied thread locker. Torque M10 bolts to 36 ft./lbs.

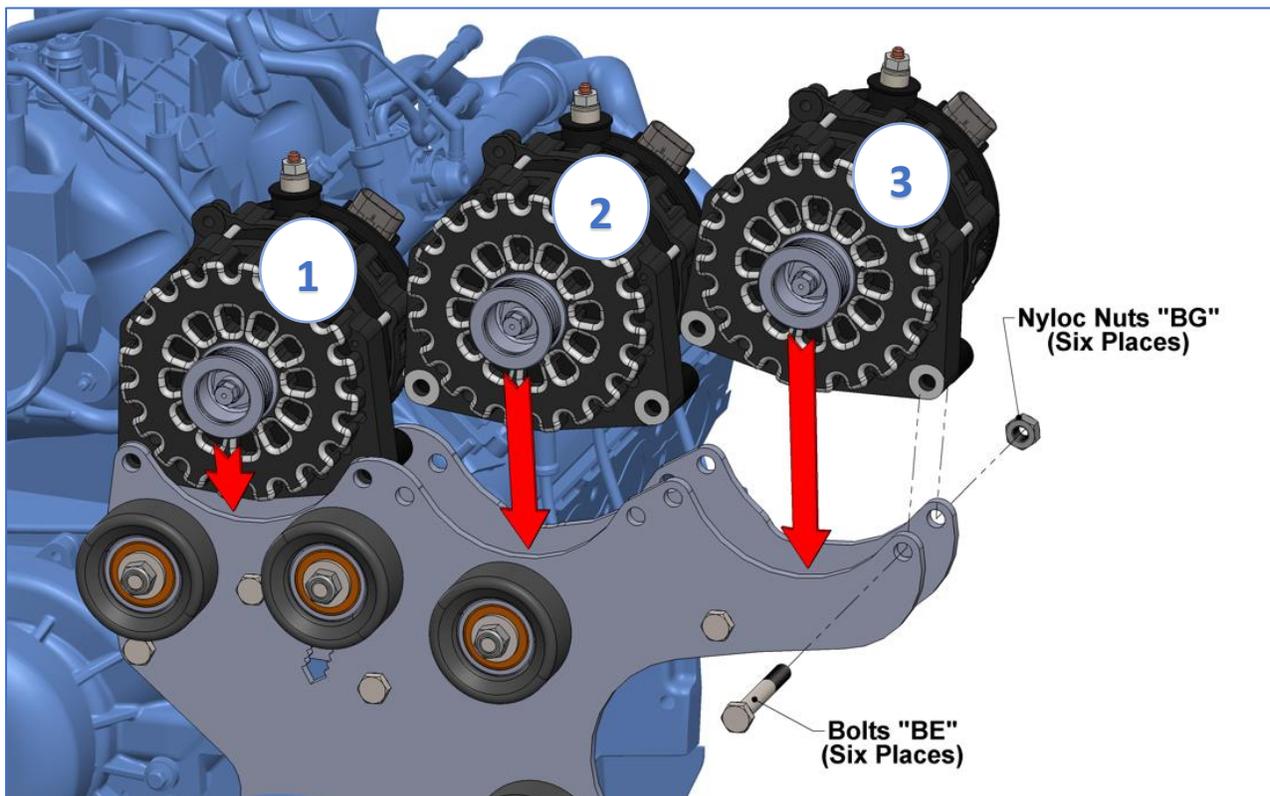
12. Install idler pulleys as shown:



13. Install power steering pump pulley as shown using the installer tool from the kit used during removal:



14. Load the three alternators to the bracket as shown:



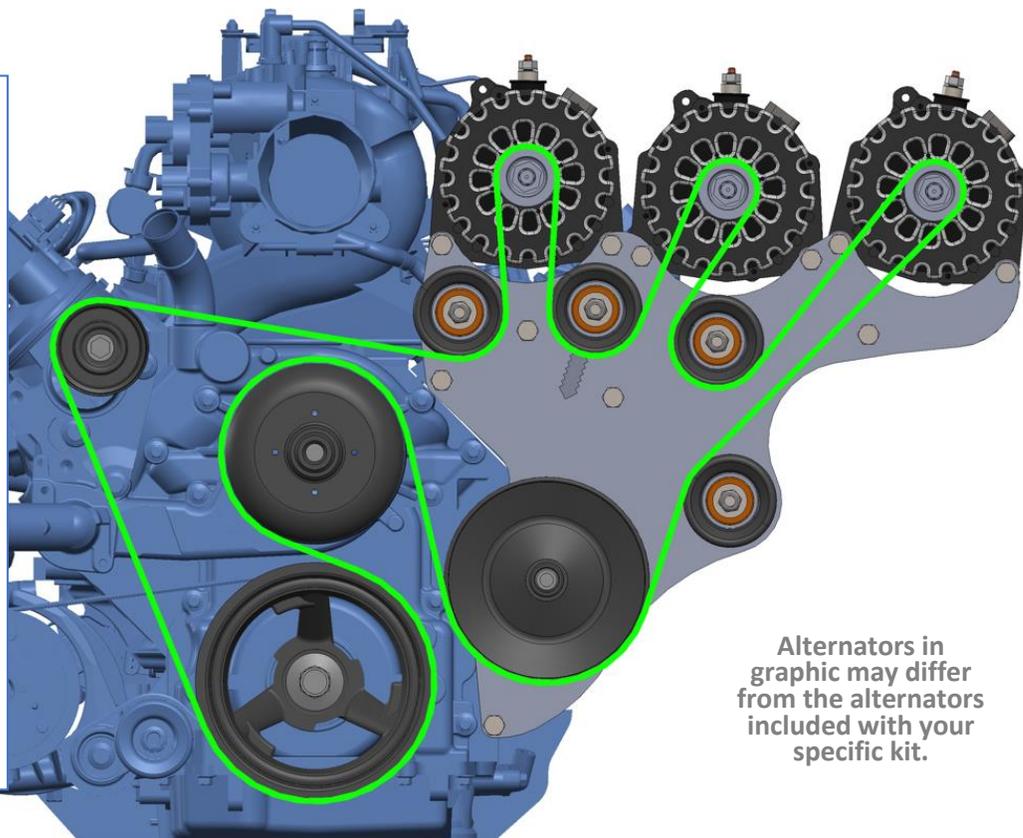
**Torque M10 bolts to 36 ft./lbs.**

**NOTE:** If one of the alternators you are installing has a regulator plug with only two pins, or if you are reinstalling the factory alternator, install it into **position "1"**.

15. Reinstall battery cables.

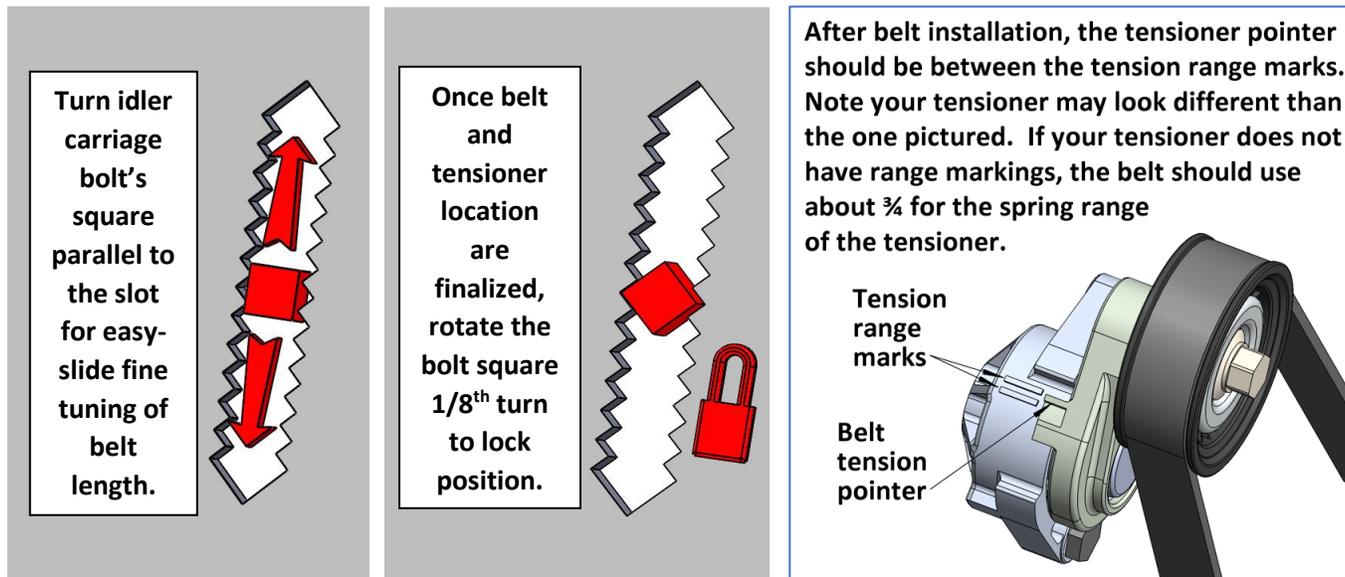
16. Install the supplied belt in the shown routing:

**NOTE:** ONLY using MECHMAN alternators guarantees proper belt alignment and optimal performance. Other alternators that fit this bracket will likely have pulley offset variations that will impact belt alignment and ultimately cause slippage and other related belt issues. Using non-Mechman alternators may require installer belt alignment adjustment.



Alternators in graphic may differ from the alternators included with your specific kit.

17. The supplied Gates K061369 (136.9" effective length) should work for your application. However, different vehicle pulley diameters will require idler location adjustment. If required, the below will help with the process.



18. Reinstall the cosmetic engine cover and fan shroud if removed. If the factory alternator was upgraded, the engine cover may need to be trimmed slightly for clearance.

19. Check all connections and confirm all hardware has been torqued. Test functions as described on instructions included with the Mechman alternators.