



VCK4092V-I6CA

2018-2024 Chevrolet G3500-G4500 Express Cutaway
2018-2024 GMC G3500-G4500 Savana Cutaway
4.3L V6 Gas w/-w/o A/C, w/o Dual Alternators

Requires 6-Groove, 2" Diameter Pulley
For use w/ Vortec 92V Alternator

INSTALLATION NOTES

1. The buyer is responsible for providing trained and experienced installation decision making with technical know-how to apply professional judgment that specifically applies to each individual installation.
2. Be sure to read and understand all available information including but not limited to instructions, warnings, sales terms, and warranties for the vehicle and all system components prior to attempting installation.
3. Disconnect the negative battery cable. Remove the air cleaner assembly. Remove radiator reservoir and lay aside. Remove the plastic radiator cover then remove the top half of the fan shroud.
4. Remove the fan ring from the engine. Remove the fan assembly. Fan nut has right-hand threads. Only use approved tools to remove and install fan. If an air chisel or similar is used on the fan nut, water pump bearing, or shaft. Unwanted failures can occur on these components or others if done so improperly.

NOTE: It is advisable to cover the radiator with a piece of cardboard or other suitable material to protect it from damage during installation of this kit.

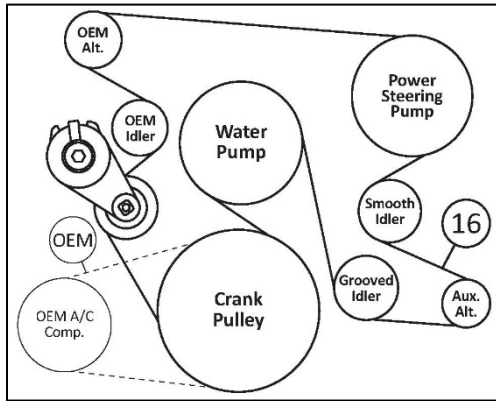
5. Remove the engine drive belt and the power steering pump. The power steering pump pulley does not need to be removed the get the pump out of the bracket. Going between the spokes in the power steering pulley. Remove the three 8mm bolts holding the pump to the bracket. With the bolts removed, lift up on the pump to remove it from the bracket. DO NOT disconnect any of the hoses from the pump.
6. Remove the three bolts holding the power steering pump bracket to the engine. The new bracket will bolt to the engine using the same three mounting locations and bolts as the power steering pump bracket plus an 8mm hole located on the front of the vehicle's engine block.
7. Set the bracket (1) in its location to see which wires may need to be relocated. Relocated the wires as needed then secure them away from any area that might cause chafing.
8. The 2" spacer (13) and bolt (14) is used to secure the ground wire away from the auxiliary alternator. Once this is done, the auxiliary alternator can be installed onto the bracket (1) with hardware (15) prior to installing the bracket onto the engine. Also, make sure you know how you will want the alternator clocked for best hose hook up. Be sure to also install the idler pulley assemblies (7-9) (10-12) onto the bracket (1) if not done so already.
9. Install the new bracket (1) onto the engine reusing the three OEM power steering bracket bolts (5) and all-thread rod (3) with nut (4). Tighten bolts and nut securely.
10. Install the power steering pump into the new bracket with bolts (6). **The power steering reservoir hose will need to be shortened approximately 1½" in order to keep it from kinking.**
11. Install belt (16) and route it as shown on diagram. It is best to go over the fan pulley last with the belt when installing it.
12. Replace the fan ring back to its original location reusing the OEM bolts. Install the fan, fan shroud, radiator cover, air duct and radiator reservoir.

CAUTION: Before starting the engine, check to make certain no wires, hoses, etc. that may have been disturbed during installation do not come in contact with any hot or moving parts. Properly refill any fluids that may have been drained. Check for leaks. Run the engine and check for proper belt tracking and clearance of any hoses, wires, etc. It is the installer's responsibility to correct/adjust any components, if necessary, before vehicle is put into service.

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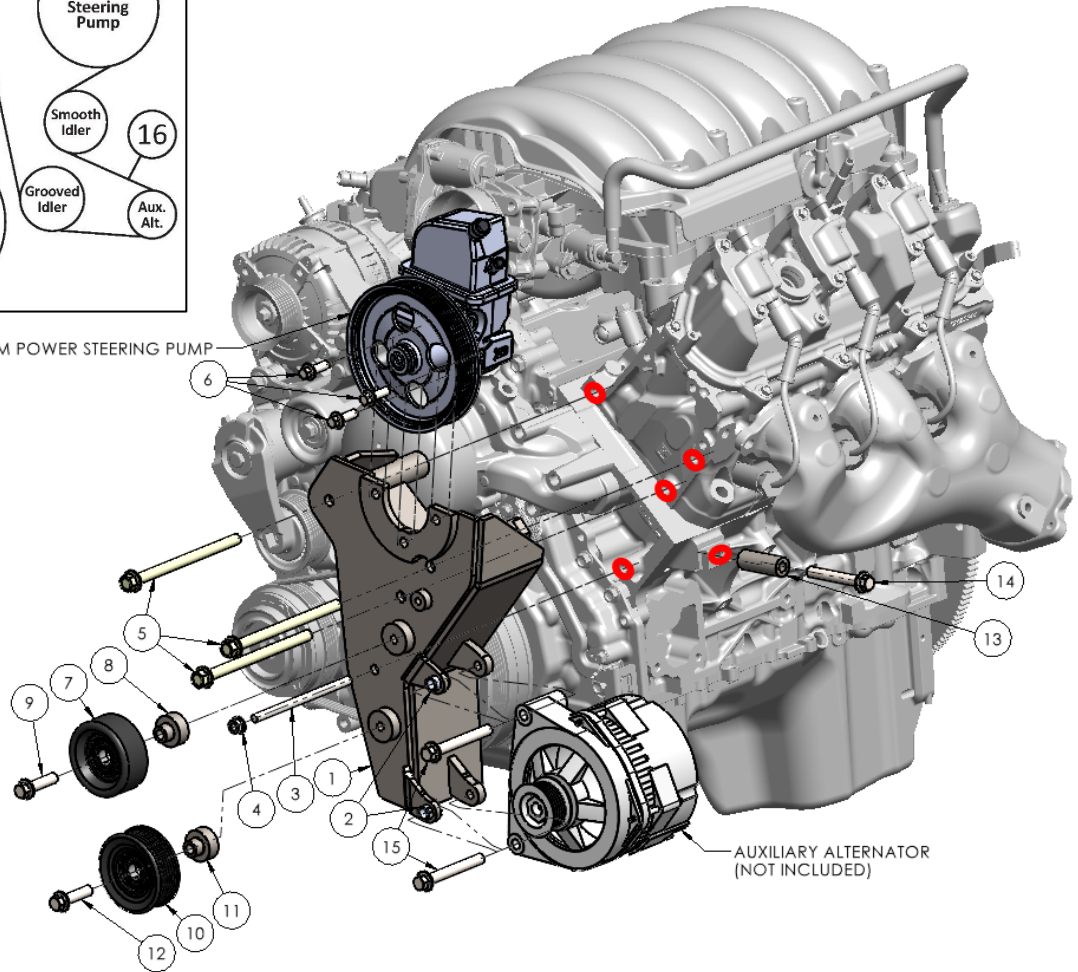
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Belt Routing (16)

OEM POWER STEERING PUMP



PARTS LIST

Item	Part Number	Description	Qty.	Item	Part Number	Description	Qty.
Main Bracket				Grooved Idler Pulley Assembly			
1	VCMB4092V-I6	Main Bracket	1	10	89051	Dayco Grooved Idler Pulley	1
2	1011888A	M14 Slide Bushing (Installed)	2	11	VCMB40-1	Machined Idler Bushing	1
Main Bracket Mounting Hardware				12	1006933	M10-1.5 x 40mm 10.9Gr Hex Flg. Bolt	1
3	1011643	M8-1.25 All-Thread	135mm	Ground Wire Extension Standoff Hardware			
4	1013333	M8-1.25 10.9Gr Hex Flg. Nut	1	13	VCMB40-2	Ground Wire Extension Standoff	1
5	N/A	OEM Power Steering Bracket Bolt	3	14	1016343	M10-1.5 x 70mm 10.9Gr Hex Flg. Bolt	1
Power Steering Pump Mounting Hardware				Auxiliary Alternator Mounting Hardware			
6	1011887	M8-1.25 x 25mm 10.9Gr Hex Flg. Bolt	3	15	1006928	M10-1.5 x 80mm 10.9Gr Hex Flg. Bolt	2
Smooth Idler Pulley Assembly				Belt (Only One Belt Supplied)			
7	89007	Dayco Smooth Idler Pulley	1	16	5061060	Dayco 6-Groove, 106.0" Belt	1
8	VCMB40-1	Machined Idler Bushing	1				
9	1006933	M10-1.5 x 40mm 10.9Gr Hex Flg. Bolt	1				

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INSTALLER NOTES / DISCLAIMER

Disclaimer: (1.) Due to the custom nature and variation of all add-on systems of this type, no complete system kits are offered by the manufacturer, and any group of parts marketed as a kit is limited to only the individually defined parts in that specific kit. The system designer’s rotating accessory components are not included, offered, or fully known by the manufacturer. In addition to the absence of the rotating accessory system, other potential components such as additional clamps, brackets, wear liners, hardware, or other items that may be required by the system designer must be identified and supplied by the actual system designer. (2.) Due to vehicle manufacturer’s assembly tolerances, production changes, and installation variances, it is the buyer’s responsibility to ensure adequate clearance for all components including space for and safe location of the fan, radiator, all lines, and wires. Check for possible movement, vibration, friction points, heat exposure and/or shifting of any and all components such as hoses, wires, and all other components including those that may otherwise be considered non-moving and/or unaffected by the installation (3.) The buyer is responsible for the entire installation of a mounting kit as the mounting kit is part of a custom process controlled by the buyer through their whole system design and directed installer as the installer evaluates, locates, routes, aligns, and tightens all components while determining if additional clamps, brackets, wear-liners, or other components may be required, beyond those included in the kit. Any additional items required, beyond those included in the kit, are to be provided at the expense of the buyer. (4.) The buyer is responsible for the development and communication of their whole system installation procedures, safety precautions, application, and use of the engine accessory mounting kit in their system, including efforts to maintain vehicle control and prevent pinch, wear, impact, and/or burn exposure on all hoses, wires, and other parts. (5.) The buyer is responsible for providing trained and experienced installation decision making with technical know-how to apply professional judgment that specifically applies to each individual installation. The buyers chosen installers must be qualified and experienced technicians that are familiar with the vehicle and accessory being mounted as well as the buyer’s whole system design and installation procedures associated with the kit. (6.) The buyer is responsible for determining and achieving compliance to all regulatory issues that apply to the use of all products. (7.) The manufacturer reserves the right to make changes and/or improvements to any product at any time with or without notice.