

1955-72 SMALL BLOCK SHORT WATER PUMP ALTERNATOR BRACKET AND PULLEY INSTALLATION



Randy Irwin - Technical Writer

Randy has been involved in the Chevy parts business for over 25 years. He is a wizard at creating, making and modifying custom parts for Chevys.

From 1955 until mid-1962, Chevrolet passenger cars used generators before switching to alternators in late 1962. Generators are notorious for wearing out brushes and not keeping up with the charging demands of modern electronic upgrades. When replacing the voltage regulator for a generator, you just about have to stop by the bank first! The best option is to replace that big ugly generator with a smaller, cleaner, more reliable alternator. If your car still has the original exhaust manifolds, a bracket is now available that properly bolts to the drivers side exhaust manifold where the generator mounting bracket bolted. This bracket will accept an externally regulated, internally regulated or a single wire alternator. These brackets will fit any short water pump small block except those equipped with aftermarket power steering. In that case, bracket **P/N 18-115** must be used. Brackets are also available to mount your alternator to headers instead of stock manifolds.

Tools Needed:

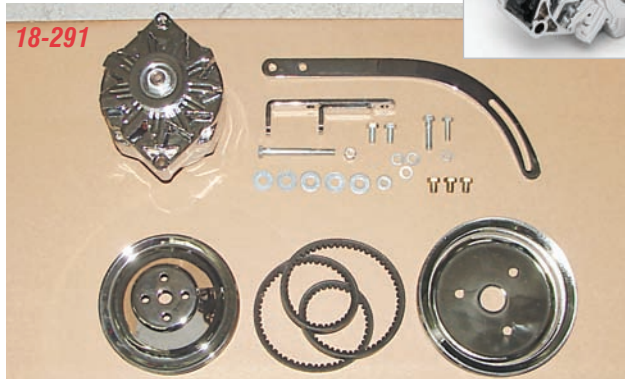
1/2" Wrench
9/16" Wrench
9/16" Socket & Ratchet

Time Frame:

2 hours

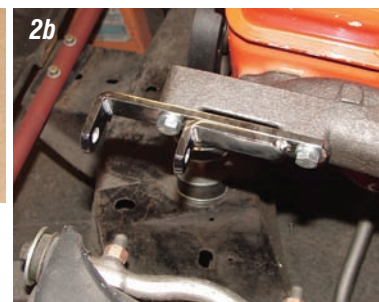


Photo 1: The original generator bracket was bolted to the side of the exhaust manifold forward of the #1 exhaust port with two 3/8" bolts and lock washers.



Parts List:

	Catalog price	Member price
207-68 Alternator Bracket, Upper	\$24.99	\$23.74 ea.
42-36 Alternator Adjusting Arm	\$15.99	\$15.19 ea.
207-65 RH Lower Header Bracket	\$21.99	\$20.89 ea.
207-67 LH Lower Header Bracket	\$21.99	\$20.89 ea.
207-42 1955-72 Powermaster Chrome 70 Amp 1-Wire Alternator	\$119.99	\$113.99 ea.
18-290 Alternator Bracket & Pulley Kit w/Exht. Manifold, Single Groove Chrome Pulleys	\$269.99	\$256.49 kit
18-291 Alternator Bracket & Pulley Kit w/Exht. Manifold, Double Groove Chrome Pulleys	\$269.99	\$256.49 kit
18-292 Alternator Bracket & Pulley Kit w/Headers, Single Groove Chrome Pulleys	\$279.99	\$265.99 kit
18-293 Alternator Bracket & Pulley Kit w/Headers Double Groove Chrome Pulleys	\$279.99	\$265.99 kit



Photos 2a & 2b: The alternator bracket **P/N 207-68** is similar to many universal

style chrome brackets that you can purchase, but ours has a different bolt pattern to match up to the exhaust manifold. It also has a different offset to allow the alternator to line up with the pulleys on a short water pump. The bracket and pulley kit **#18-290** includes two 3/8" X 3/4" bolts and lock washers to hold the alternator mounting bracket to the manifold.

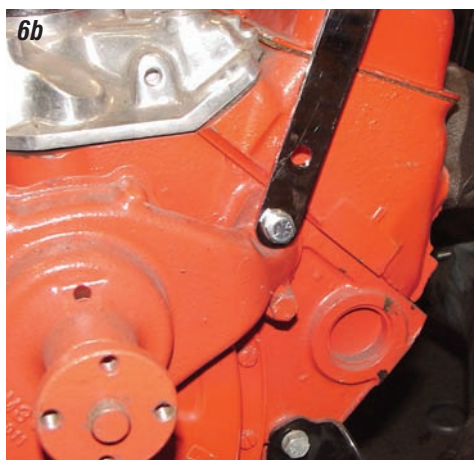
Photo 3: If your car has headers, lower bracket P/N 207-67 can be used to provide a mounting point for the upper bracket P/N 207-68.



Photo 4: The mounting ear on the alternator is about 1/2" narrower than the mounting legs on the bracket. This will allow for front to rear adjustments when lining up the pulleys.



Photos 5a & 5b: The bracket and pulley kit #18-290 includes a 3/8" X 3" bolt, lock nut and five flat washers to be used for proper shimming. Our installation required three washers on the back side of the alternator mounting ear to give us proper pulley and belt alignment.



Photos 6a & 6b: The adjusting arm P/N 42-36 included in kit 18-290 attaches to the upper water pump bolt on the drivers side of the engine. The kit includes a 3/8" X 1-1/4" bolt and lock washer.



Photos 7a & 7b: The adjusting arm attaches to the alternator adjusting ear on the alternator with a supplied 5/16" X 1" bolt with flat washer and lock washer.



Photo 8: Kit P/N 18-290 includes a single groove chrome balancer and water pump pulley. Single groove pulleys are all that are needed when driving just the alternator. Double groove pulleys can be installed to drive the alternator and air conditioning compressor if needed. The water pump pulley is held to the water pump with four supplied 5/16" X 3/4" fine thread bolts and flat washers. The crankshaft pulley is held to the harmonic balancer with three supplied 3/8" X 3/4" fine thread bolts and lock washers.



Photo 9: Last, install the fan belt. With the correct matching pulleys and the alternator positioned correctly the belt will line up perfectly and upgrade your car to a modern charging system! Good Luck! 