



Dedicated to improving vehicle fun, safety & performance

Installation Instructions



Alternator Bracket

Fits B18 engines (544, 122, 1800)

ipd #112993, 139667



PRE-INSTALLATION

This kit upgrades your B18 engine with generator to an alternator for increased amperage and reliability.

Before you begin, it must be determined if you have an early or late engine. Beginning in 1967, the B18 block casting has an extra threaded hole just in front of the generator mounting holes like on all B20s. If you find that your engine has this, you're more than halfway there. If you do not have this casting, this kit will adapt the generator mount to an alternator mount.

The easiest way to get the miscellaneous parts needed for the upgrade is from a wrecking yard. Most auto parts stores can get the correct Bosch alternator, but usually without the pulley. This is fine for a car already equipped with an alternator that needs a replacement, but you will need a pulley if you are converting from a generator.

At the wrecking yard, look for a car with a B20 engine, i.e. 140 series 1968-74, 1800 series 1969-73 or 240 series 1975. Purchase the regulator, alternator, the corresponding mounting hardware, and the wiring between the two. Don't worry if the electronics don't work, ipd has replacement regulators and you will now have the pulley you need and the used core to give an auto parts store. Have the pulley installed onto the new alternator with an impact gun - don't attempt to install it yourself with hand tools. You can order ipd part #139560 for the alternator and ipd part #105443 for the voltage regulator.

INSTALLATION

With all the parts you've collected, you're ready for the actual conversion.

- 1 With all the parts you've collected, you're ready for the actual conversion.

INSTALLATION

- 2 Mount the alternator to the engine if the engine has the threaded mount cast into the block using the single bolt.
- 3 If you are using our bracket kit, use the three washers supplied under the bracket to space the bracket slightly away from the block. Do not use the rubber isolators from the generator bracket.

544/122 Installation

- 1 The very thick black wire connected to the B+ terminal on your old voltage regulator (that leads to your starter's larger terminal) needs to be re-routed (the regulator end of the wire) to the back of the alternator. It will need to be lengthened. Use some 8 or 10 gauge wire and good connectors. Connect this to terminal B+ on the back of the alternator. It is also a good idea to run an extra length of 10 gauge wire from B+ (at the alternator) directly to the positive terminal of the battery to help eliminate the glowing amp light when running many electrical accessories- lights, wipers, fan, etc.
- 2 The other wire on the regulator, red in color, is your amp light wire (there'll be a thin black wire in the harness on '66 and earlier 122 models, this is your windshield washer). Lengthen the amp light wire and/or modify the connector on the thinner gauge red wire (it leads to the amp light) connect it to D+/61 on the regulator.
- 3 Run a second wire from D+/61 on the regulator to terminal D+/61 on the alternator.
- 4 Now run a wire (usually green) from terminal DF (sometimes labeled as EXC.) on the back of the alternator to terminal DF on your new charging regulator.
- 5 Last, run a wire from Terminal D- on the regulator to a good ground.

1800 Installation

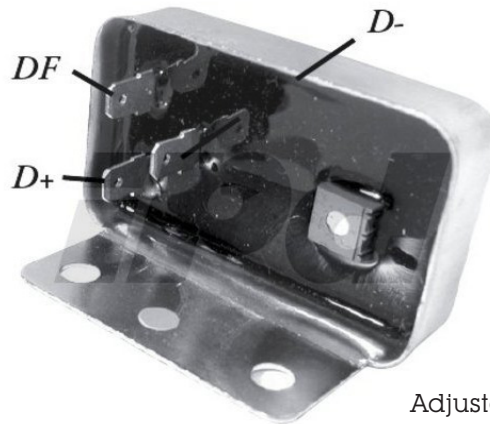
- 1 The very thick wire(s) (brown) connected to the B+ terminal of your (old) regulator (one leads to the your starter's larger terminal the other to that fuse box near the regulator) need to be disconnected. Be sure that the section of brown wire powering the fuse box continues that function, then insulate and/or isolate the other ends so they do not touch ground. Now run a length of very thick (8 or 10 gauge) wire from the B+ terminal of the alternator to the + side of the battery.
- 2 You should find a double strand of brown with yellow wire at the regulator, simply remove these and attach to D+/61 on your new charging regulator. Attach the corresponding end of the brown/yellow to D+/61 at the alternator.
- 3 At the regulator you will find a brown with green wire, plug this onto DF on your new regulator. Attach the corresponding end of the green/brown to DF on the alternator.
- 4 Last, run a wire from Terminal D- on the regulator to a good ground.

On 1800 models you will find a black ground wire at both the alternator and regulator, these can be attached to D- and/or a good ground.

FINAL NOTES

If you are using the short wire harness (between alternator and regulator usually sourced from a 140 or '75 240) from a wrecking yard system, there may be a black wire bolted to the body of the alternator. Simply run this to ground as well.

Remember: a Voltage Regulator (generator system) is not the same as a Charging Regulator (alternator system). We can provide you with an adjustable regulator #105443. The adjustable regulator is a real good idea with the S.E.V. Motorola alternator, as this unit will drop one volt to the battery if used with anything other than the correct and very hard to find S.E.V. regulator.



Adjustable regulator #105443

WARRANTY

One Year Limited Warranty

ipd warrants to the original purchaser that the parts manufactured and/or sold by ipd (the Product) is free from defects in material and workmanship under normal use. ipd warrants that the Product will perform substantially in accordance with the specifications set forth in the documentation provided with it. The above express warranties are made for a period of the lesser of 12,000 miles or 12 months from the date the Product is installed in your vehicle.

Any improper use, operation beyond capacity, substitution of parts not approved by ipd in writing, any alteration or repair by others, or any removal, defacing or altering of the identification shall void this warranty. There is no warranty on high-performance or race related parts due to the nature of usage.

The purchaser shall notify ipd at 1-800-444-6473 of any defect within the warranty period no later than thirty (30) days after purchaser discovers the defect. Should any failure to conform to this warranty appear within the warranty period, ipd shall, on notification, correct the nonconformity at its option, either by repairing any defective part, or by making available, FOB ipd's plant, a repaired or replacement part. The purchaser must insure any defective item being returned because ipd does not assume risk of loss or damage while in transit. No payment or reimbursement shall be made for installation, removal, transportation or other charges. The remedies set forth in this instrument are exclusive, and the liability of ipd with respect to any sale shall not exceed the price of the product on which the liability is based.

EXCEPT AS STATED OTHERWISE IN THIS WARRANTY, ipd MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. ipd shall not in any case be liable for special, incidental, consequential, indirect, or other similar damages arising from any breach of these warranties even if ipd or its agent has been advised of the possibility of such damages. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

This warranty is governed by the laws of the State of Oregon.

