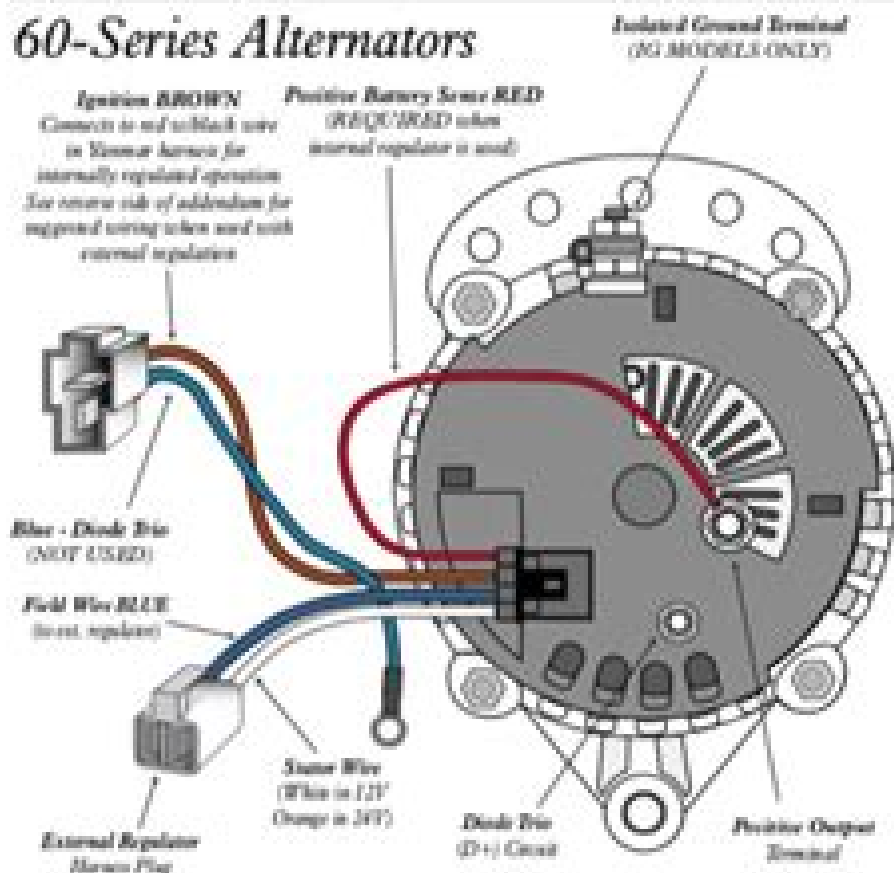
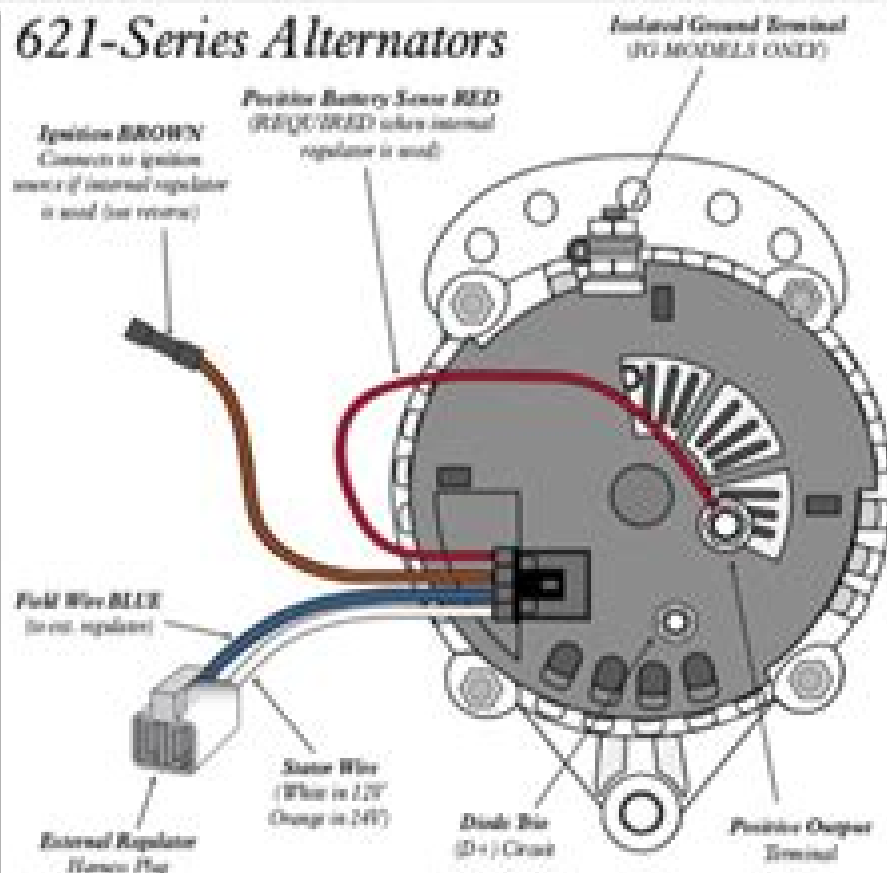


60-Series Alternators



621-Series Alternators



Installation Notes

Balmar's Smart Ready alternators feature a simple, single-stage regulator that can be used as a stand alone unit or as an emergency back-up unit in conjunction with a smart external regulator. When used with an external regulator, it is necessary that the brown ignition wire in the alternator plug be disconnected from ignition voltage. We recommend the use of a double-throw toggle switch, as discussed on reverse, to control regulator activity.

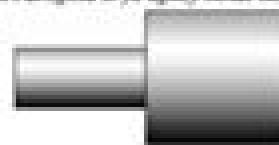
On Case Ground (non-IG) alternators, the ground wire(s) in the regulator wiring harness can be connected to one of the unused threaded holes in the alternator's tensioning arm with an Allen bolt. To ensure proper grounding, screw in and unscrew the bolt a few times before securing the bolt with the ground wires attached. This will help remove any paint which could compromise grounding to the alternator case.

The function of the D+ circuit is to provide a low voltage DC source in applications where lamp functions are driven by that source. This function is typical in many Volvo engines. The D+ circuit should NOT be used unless required to drive your engine's charge lamp circuit. DO NOT attempt to use the D+ terminal as a connection point for your ground wires. Doing so could damage both the alternator and regulator.

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621-Series Alternators

Include a 1-inch spacer with an integrated bushing. This spacer can be used to modify the alternator's 1-inch mounting foot to be compatible with 2-inch mounting configurations. This is a push-in spacer that's designed to fit tightly inside the mounting foot's 1 1/2-inch bore. To ensure a proper fit, the bushed spacer should be compressed into place with a C-clamp or bench vice.



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L Darling-Hammond



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