# I N S T A L L A T I O N  I N S T R U C T I O N S

## 102027 V-Plus™ VOLT BOOSTER 1986-1989

**The V-PLUS volt booster is designed to plug into the existing alternator connection on the 1986-1989 turbo Buick engine, including the 1989 turbo Trans-Am. Installation requires a 13mm and a 10mm wrench.**

Position the V-PLUS module under the throttle body, directly below the IAC motor. Remove the cap that covers the positive stud of the alternator. Carefully remove the nut using a 10mm wrench. BE CAREFUL NOT TO SHORT THE WRENCH TO GROUND...FULL BATTERY VOLTAGE IS PRESENT! After removing the nut, place the red wire terminal (ring terminal) on the stud. Replace and tighten the nut, then replace the plastic cap.

Unplug the connector from the regulator on the alternator as shown below. Insert the plug attached to the V-PLUS module into the alternator receptacle. Insert the plug from the engine wiring harness into the gray connector as shown. IT IS IMPORTANT THAT THIS CONNECTION STAY SECURE. THE BROWN WIRE GOES TO THE "ALT" LAMP IN THE DASH AND THE ALTERNATOR WILL NOT CHARGE IF THIS WIRE IS NOT CONNECTED.

Route the long harness from the V-PLUS module under the inlet tube, over to the throttle position sensor. Unplug the connector at the sensor and plug into this harness. Then, insert the remaining connector into the sensor.

The V-PLUS module is now ready to operate, completely automatically. When throttle reaches 70%, the V-PLUS module automatically increases the alternator voltage by approximately 2.2 volts, increasing available power to the electrical by 15%. This increases ignition voltage and fuel pump voltage at wide open throttle, enhancing performance.

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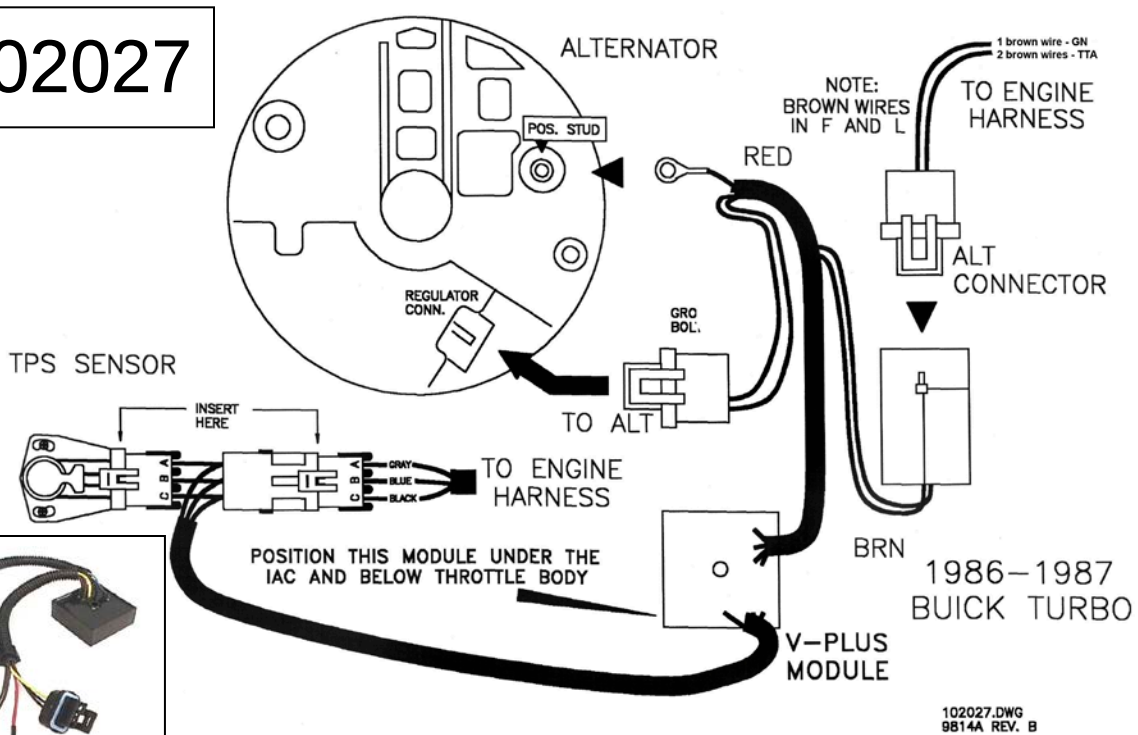
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