

Heavy-Duty Auto Throttle Controls

Auto Throttle Features

- A flexible, heat resistant, jacketed Morse cable with a stainless steel core to prevent sticking and stretching.
- Installation and adjustments are simple, ensuring exact engine RPM levels.
- Control module easily mounts in remote protected areas such as driver's compartment.

Heavy Duty Auto Throttle Applications

Utility and Maintenance Vehicles

Increases engine RPM to provide full current output of the alternator when using various types of DC and AC tools and equipment.

The Auto Throttle is excellent for use with DC to AC inverters that operate electric drills, grinders, exhaust fans and blowers, plastic pipe fusion equipment and engineering test equipment. (Vanner can provide a complete electrical distributing system for utility vehicles using DC to AC inverters, battery isolators, and auto throttles.)

Bucket and Boom Trucks: Power Take-Offs

In vehicles with on-board hydraulic systems, the Auto Throttle will increase engine RPM, allowing equipment to operate at maximum efficiency and provide proper operating pressures. The Auto Throttle can be activated by a hydraulic pressure switch, which turns it on when the hydraulic system is engaged.

Emergency Vehicles

Particularly desirable in police cars, fire trucks, ambulances, and other emergency equipment when current exceeds alternator output at idle resulting from operating emergency rotating beacons, flashing warning lights, DC to AC inverters and other electrical equipment.

The Vanner Auto Throttle is activated by an on/off switch (or through the master module disconnect switch on ambulances as mandated by KKK-A-1822D specifications). The Auto Throttle releases the high engine idle instantly when the shift lever is moved to any drive position or when the brake pedal is depressed to prevent the vehicle from surging. It reactivates when the gear shift lever is placed into park or neutral and when the foot brake pedal is released.

**POWER TO GET
THE JOB DONE!**



Heavy Duty Automatic Throttle System

Vanner's Heavy Duty Auto Throttle features a strong solenoid that can control the RPM's of the toughest diesel engine, under the most extreme environmental conditions. The twenty pound pull power of the Auto Throttle provides positive and constant RPM engine control. A key design feature incorporating a vernier control allowing one-hand, precise adjustment has been built into the Model 73-46. This design feature ensures that the most critical adjustment can be made with ease and accuracy.

Complete installation instructions are included with each unit. *When you really need top performance, the Vanner Heavy Duty Auto Throttle is your solution.*

Model—73-46

A Heavy Duty Automatic Throttle System consisting of the solenoid/cable assembly and the control module assembly.

Model—73-48

The 73-48 Installation Kit consists of an ON/OFF toggle switch, 02264 isolation diode, fuse, and fuse holder.



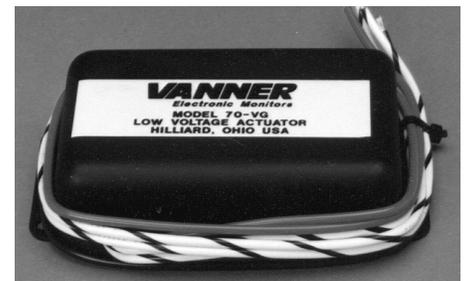
Heavy Duty Auto Throttle System
Model 73-46

Replacement Parts

Part Number	Description
02264	25 amp bridge rectifier
73-44	73-46 solenoid and 46" cable assembly
02031	Control module with harness
02045	Solenoid without cable assembly
05235	30 amp Relay ('96 Chevy Diesel 6.5L)
B00167	46" Cable Assembly
05006	Ring Terminal 1/4"

Conserve Fuel and Eliminate Over-Rewing With the Volt Guard Low Voltage Actuator

When your battery is fully charged the Volt Guard allows the engine to idle until the voltage drops to 12.5 volts. It then automatically activates the Auto Throttle until the battery has reached approximately 13.8 volts at which time the throttle is released after approximately 90 seconds. The Volt Guard automatically repeats this process as often as necessary.

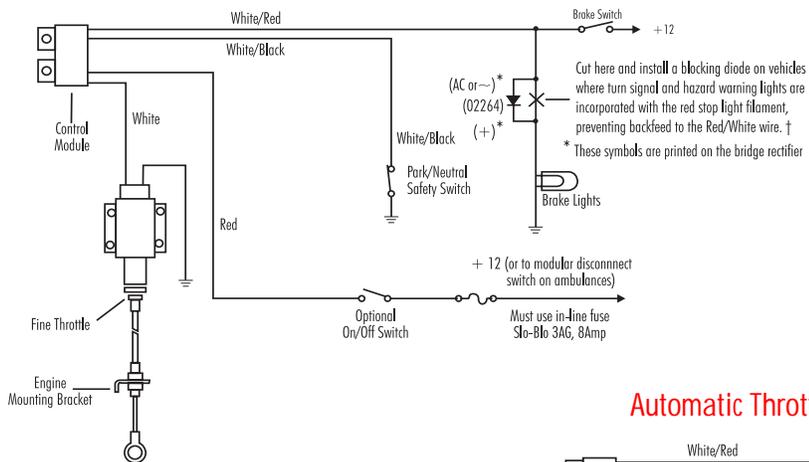


Volt Guard Low Voltage Actuator
Model 70-VG

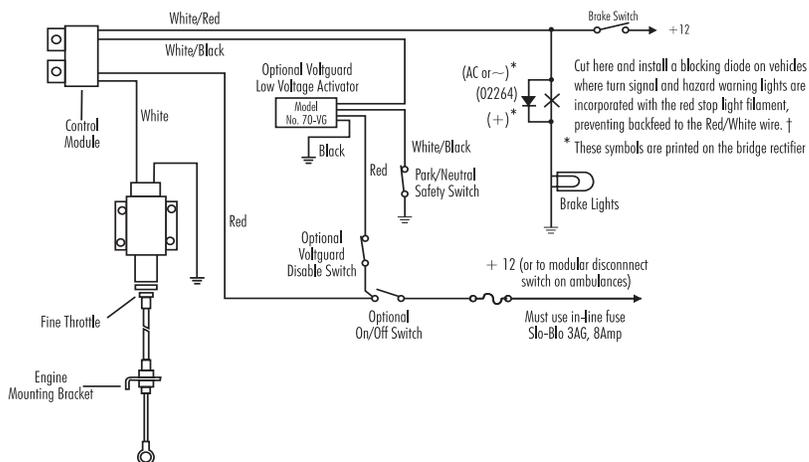
**POWER TO GET
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The Volt Guard can be used with Vanner as well as many other makes of automatic throttle controls provided they are electrically activated (see wiring chart on back).

Automatic Throttle System Without Optional Volt Guard



Automatic Throttle System With Optional Volt Guard



† Necessary for vehicles incorporating rear turn signal lamp with stoplight function. Not required if red/white stripe wire is connected to the Center High Mount Stop Light (CHMSL) circuit. May substitute Radio Shack #276-1185 or Westinghouse #MB12A25V05.

All Vanner products come with a two-year (2) warranty from date of installation or two and one-half (2½) years from date of manufacture from the Vanner factory. To the best of our knowledge the statements, specifications, and instructions in this document are correct. No warranty is made, expressed or implied by the seller or manufacturer with respect to any results or lack thereof from the use of information in this document and no liability is assumed for any direct or indirect damages, personal loss or injury. All statements made within this document are to be applied or relied upon at the user's risk.



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