

General

The VANNER high power 1820GCP and ultra high power 1840GCP electronic flashers have been designed to operate in the most severe environments. Both units have patented output short circuit protection and reverse input voltage protection.

Characteristics & Tips

Under some load conditions these flashers may turn on for one flash when the main power is applied and the remote ground control switch is off. This is a normal condition that indicates that the flasher is operating properly.

For long reliable operation it is imperative that the flasher not be overloaded. In some cases the units' short circuit protection might consider the overload a short circuit and shut the unit down.

Specifications

	<u>1820GCP</u>	<u>1840GCP</u>
Maximum output current: with 50w lamps with 35w lamps	12 Amps per terminal 3 Typical per terminal 4 Typical per terminal	30 Amps per terminal 6 Typical per terminal 8 Typical per terminal
Input voltage	10-16Vdc 13.6Vdc nominal	10-16Vdc 13.6Vdc nominal
Flashes per minute	60 ± 8%	60 ± 8%
Duty cycle	50 / 50 ± 10%	50 / 50 ± 10%
Ambient temperature	-40F to 150F	-40F to 150F

Trouble-Shooting

PROBLEM

ITEMS TO CHECK

All outputs do not flash

Is the battery voltage less than 10 Vdc?
Do you have more than the rated number of lights on the output (A, B or C) terminals?
Is the remote ground control switch wired correctly?

One output does not flash

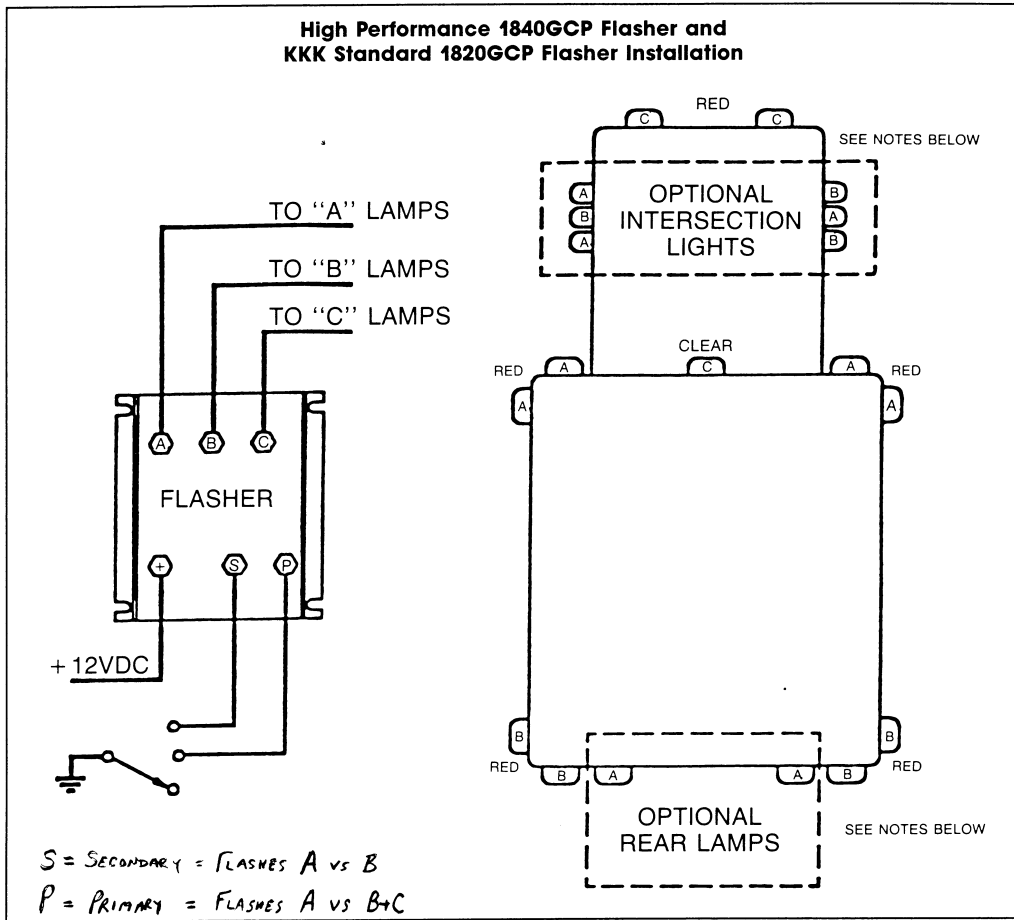
Is the battery voltage less than 10 Vdc?
Is the affected output shorted or overloaded?

The flasher flashes once when 12 Vdc is applied and the ground control switch is off.

This is normal under light loads.

*If after reviewing this chart you still can't locate the problem contact VANNER for technical assistance.

Wiring Diagram



NOTES:

Use the 1840GCP if optional lights or halogen lights are in use. Maximum amperage is 30 Amps per terminal.

We recommend that a double pole, single throw, on/off switch be installed to allow the operator to activate the optional intersection and rear lights.

The new 1840GCP is designed to replace all emergency lighting electronic flashers except the turn signal/hazard warning flasher(s).