



1340 Russell Cave Road • Lexington, Kentucky 40505 • www.galls.com

GALLS DAYTIME RUNNING LIGHT COMPATIBLE SMART FLASHER

FS005

Congratulations! You are now the proud owner of the most technically advanced, dual pattern Flasher system that is compatible with existing Daytime Running Lights in the market today. Add to it our commitment to quality, this new Flasher System will provide you years of dependable, trouble-free service.

The D.R.L. Compatible Flasher will operate a two or four headlight system on any vehicle with a 12 VDC negative ground system.

Please contact Galls Technical Service at 800-837-3982 before attempting to install in any vehicle that has ground side switch headlights. This includes most foreign vehicles, all Saturn, '98 and newer S-10/Sonoma-Blazer/Jimmy, '99 and newer GM full size Pick-ups. You will also need to call for any vehicle that has Daytime Running Lights on its headlights.

A properly installed Smart Flasher has 3 operating modes built into 1 flasher. Mode 1 will alternate (wig-wag) the headlights at 1.9 flashes / second. Mode 2 will alternate the headlights at 3.0 flashes / second. Mode 3 consists of a varying flash that will continuously cycle through 3 patterns: alternating flash at 1.9 f.p.s., simultaneous flash at 3.0 f.p.s., and a fast alternating flash at 3.0 f.p.s. When used at night, the low beam headlights remain ON for proper illumination while the high beams flash to gain attention and increase the vehicle's visibility. When the dimmer switch is activated to high beam, the flasher system's "High beam over-ride" interrupts the flasher sequence to allow normal high beam function. Flashing automatically resumes when the dimmer switch is de-activated. The flasher will automatically turn off the vehicle's DRL when the flasher is activated.

INSTALLATION

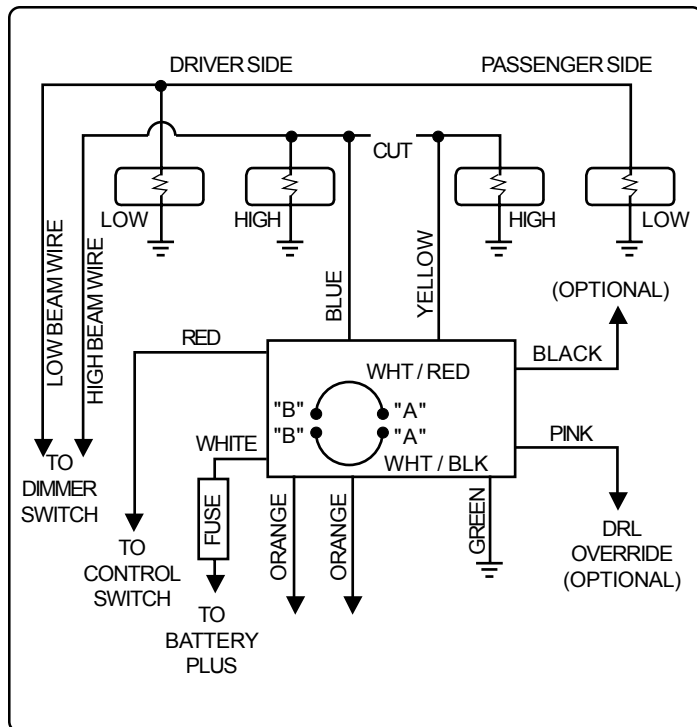
MOUNTING: Mount the flasher near the battery at the front of the engine compartment.

GREEN WIRE: Connect to a convenient reliable ground.

NOTE

Always connect the green wire FIRST when installing and disconnect LAST when removing.

BLUE & YELLOW WIRE: Locate the wire that supplies power to the passenger side high beam headlight. Cut this wire approximately 10" to 12" from the back of the headlight. Connect the yellow wire to the lead that returns to the passenger side high beam. Connect the blue wire to the other piece of cut wire. This will make the driver's side high beam flash.



WIRING DIAGRAM

RED WIRE: Connect to a powered switch. Only 1/4 amp is required to operate flasher. When Red wire is activated, flasher will operate.

OPTIONAL - BLACK WIRE: If an "Automatic Night Time Cut-Off" is required, simply "T" or tap black wire into the vehicle's marker light wire. If not required, connect to ground.

WHITE WIRE: Connect through a fuse to the positive post of the battery or other high current power source. A 20 amp fuse to be used with a two headlight system and a 30 amp on a four headlight system.

NOTE

DO NOT CONNECT THE FLASHER SYSTEM TO A CIRCUIT BREAKER OR FUSIBLE LINK.

OPTIONAL - PINK WIRE: Connect to one side of a user supplied switch. Connect the other side of the switch to ground. When the pink wire is grounded through the switch, the DRL function and marker lights will be deactivated.

ORANGE WIRE(S): Find the DRL input or output wire, see diagram for specific vehicle. "T" or tap both orange wires into it. Cut the wire between the two orange wires and tape.

OPTION #1: SINGLE FLASH PATTERN

Cut loop wire and tape-off at both ends of cut wire. The Flasher will NOT be activated until power is applied to the RED wire.

	WHITE/RED	WHITE/BLACK
Mode # 1 - 1.9 f.p.s.	LOOP	LOOP
Mode # 2 - 3.0 f.p.s.	CUT	LOOP
Mode # 3 - Varying	LOOP	CUT

OPTION #2: SELECTABLE FLASH PATTERN

Cut loop wire and tape-off end "A". Connect end "B" to switch connected to +12v. The Flasher will NOT be activated until power is applied to the RED wire.

	WHITE/RED	WHITE/BLACK
Mode # 1 - 1.9 f.p.s.	+12v	+12v
Mode # 2 - 3.0 f.p.s.	0v	+12v
Mode # 3 - Varying	+12v	0v



GALLS FIVE YEAR WARRANTY

Galls is the only company that offers a full five year warranty...a guarantee that assures you long-lasting service on your vehicle light equipment. No one else offers you this peace of mind.

Covered by U.S. Patent #4114071 and #4309639.