



303 MESSNER DRIVE • WHEELING, ILLINOIS 60090
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3 PATTERN ISOLATED HEADLIGHT FLASHER SYSTEM

AT-1200

IMPORTANT NOTICE FOR INSTALLATION INTO DODGE DURANGO OR DODGE DAKOTA

Please refer to page 2 for special installation requirements if you are installing the Flasher into a Dodge Durango or Dodge Dakota. Failing to follow the special installation instructions may cause damage to the head light housing.

The Flasher will operate a two or four headlight system on any vehicle with a 12 VDC negative ground system requiring isolation from the Lighting Control Module.

A properly installed 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 systems High Beam Over Ride interrupts the flasher sequence to allow for normal high beam function. Flashing automatically resumes when the dimmer switch is deactivated.

NOTE

Flashing Headlight and Taillight Systems are intended for use on approved vehicles ONLY. It is the responsibility of the user of these systems to insure compliance to any Federal, State or Municipal regulations which may apply.

WARNING !!

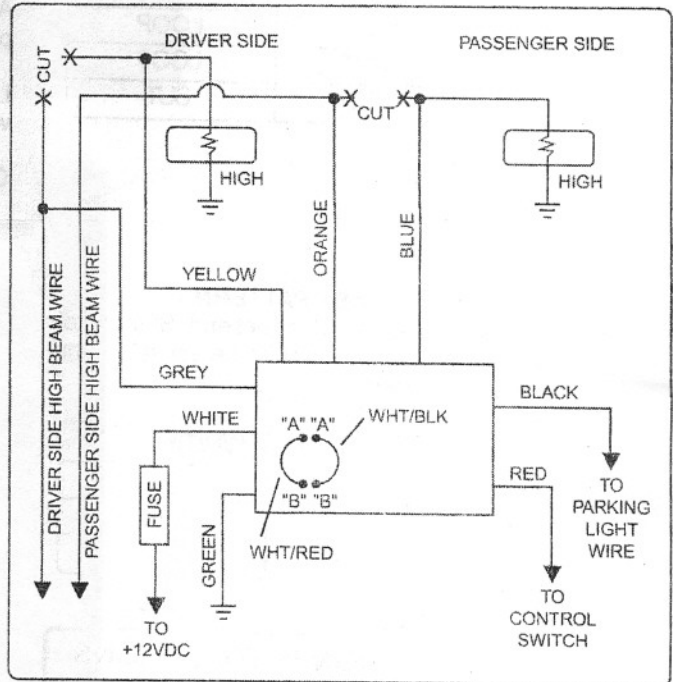
A Headlamp Flasher is a Secondary Warning Device designed to supplement the Emergency Warning Lighting System. A device or devices approved for Primary Warning Lighting applications and providing 360° visibility must also be used with any vehicle equipped for emergency response.

INSTALLATION

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

GREEN WIRE: Connect to a convenient reliable ground.

BLUE WIRE: Locate the wire that supplies power to the passenger side high beam. Cut the wire and connect the flashers blue wire to the cut wire end that goes back to the high beam headlight.



Wiring Diagram

ORANGE WIRE: Connect the flashers orange wire to the cut wire end that goes back to the vehicles lighting control module (supply).

YELLOW WIRE: Locate the wire that supplies power to the driver side high beam. Cut the wire and connect the flashers yellow wire to the cut wire end that goes back to the high beam headlight.

GREY WIRE: Connect the flashers grey wire to the cut wire end that goes back to the vehicles lighting control module (supply).

NOTE

To be used in negative ground vehicles that ONLY activate two bulbs in high beam operation.

RED WIRE: Connect to a switched source of power. This switch will only require 1/4 amp to activate the Flasher.

WHITE WIRE: Connect through an ATO type fuse (20 amp) to the positive post of the battery. DO NOT USE A CIRCUIT BREAKER, FUSIBLE LINK OR SLOW BLOW TYPE FUSE.

*See exception for certain Dodge vehicles on page 2.

BLACK WIRE (OPTIONAL): If an "Automatic Nighttime Cutoff" is required, simply "T" or tap the black wire into a parking light wire.

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

**SPECIAL INSTALLATION INSTRUCTIONS
FOR DODGE DURANGO AND DODGE
DAKOTA**

WARNING!!

This product requires the proper installation of the Night-Time Cutoff circuit. This circuit is controlled by the black wire exiting the Flasher. The black wire must be wired according to the installation drawing and instructions. Failure to do so may result in head damage to the vehicle's headlamp housings at the owner's expense.

The Headlamp Flasher will ONLY operate when the headlamps are switched to OFF position. Whenever the headlamps are activated, the Flasher WILL NOT function. It is the responsibility of the installer to make certain the vehicle operator is aware of this situation.

WARRANTY

Lund Industries warrants the Headlight Flasher System for one (1) full year from the date of purchase to the original purchaser against any manufactured defects or workmanship. This warranty applies only to units installed according to the manufacturer's installation instructions and operated within the unit's specifications.

Warranty is void if the unit was installed incorrectly or maliciously damaged.

All warranty claims must be accompanied by a dated proof of purchase.

Lund Industries retains the right to be the sole mediator of what constitutes defects in performance or manufacturing.

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

NOTICE TO INSTALLER / END USER:

Dodge RAM 1500 2002 and newer:

The High beam override feature will not function and the lamp out indicator may turn on while the headlight flasher is operating. The user may need to temporarily turn on the high beams to clear the lamp out fault from the BCM (Body control module) after the flasher has been turned off.