

Model #FM3669 Headlight Flasher w/DRL

ONE YEAR LIMITED WARRANTY

The manufacturer warrants each new product against factory defects in material and workmanship for one year after the date of purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, **repair or replace at its option**, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, bulbs, strobe tubes, domes, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in the manufacturer's judgment, the performance or reliability has been affected, or if any damage has resulted from abnormal use or service.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. **The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including costs of any labor, are not covered.** The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights. You might also have additional rights which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

If you have any questions concerning this or any other product, please contact our **Customer Service Department** at (585) 226-9787.

If a product must be returned for any reason, please contact our Customer Service Department to obtain a Returned Goods Authorization number (RGA #) before you ship the product back. **Please write the RGA # clearly on the package near the mailing label.**



PROUDLY MADE IN THE USA
An ISO 9001-2000 Certified Company

Star Headlight & Lantern Co., Inc.

455 Rochester Street Avon, NY 14414

Phone: 585-226-9787 FAX: 888-478-2797



www.starheadlight.com

The FM3669 headlight flasher is designed to work on both two and four headlight systems on any vehicle with a 12 VDC negative ground system and positive side switched headlights.

A properly installed FM3669 Flasher will add Daytime Running Lights (DRLs) to the vehicle and will alternate the vehicle's high beam lights at 1.9 flashes per second. 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 "High Beam Override" interrupts the flasher sequence to allow for normal high beam function. Flashing automatically resumes when the dimmer switch is deactivated. Any time the vehicle is running, the flasher will automatically turn OFF the vehicle's DRL when the flasher is activated.

PLEASE 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.

NON-COMPATIBLE FLASHER VEHICLE LIST

This Flasher WILL NOT work on vehicles with ground side switched headlights. This includes:

Most Japanese Vehicles	
All GM Cars & Light Trucks	1997 and Later
Saturn	ALL
Chrysler Sebring	1997 and Newer
Dodge Avenger	1997 and Newer
Dodge Ram	1997 and Newer

CAUTION: This flasher unit is designed for use on headlights totaling a maximum of 100 watts each side (10 amps per side).

PLEASE NOTE: This unit will not work on vehicles with ground side switched headlights.

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

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Mount the supplied headlight flasher unit in a well ventilated area, typically close to the battery at the front of the engine compartment.

Connect the wires from the flasher as follows:

Green : *Connect to Ground* - Connect this wire to a good chassis ground. In some cases it might be necessary to scrape away a small amount of paint or anodized material to obtain a good, reliable ground connection. If the vehicle's headlights automatically come on and do not flash while the ignition switch is turned on (regardless of position of the on/off switch for the flasher), this is an indication that there might be a poor ground connection to the flasher unit.
Please Note: Always connect the Green wire **FIRST** when installing and disconnect **LAST** when removing.

Blue & Yellow : *Connect to High Beam Headlights* - These wires will provide the wig-wag function and/or the DRL function to your high beam headlights. Locate the wire supplying power to the passenger side high beam light. Cut this wire near the headlight and connect the Yellow wire from the flasher unit to the short lead from the headlight. Connect the Blue wire from the flasher unit to the other half of the wire you just cut. **It is very important that the Blue wire be connected to the side that receives power from the high beam switch.**

Red : *Connect to Switched Power* - Connect the Red wire to the switch you will use to control your flasher. (Available from Star - Part #SP3860-1). Only ¼ amp is required on this wire to activate the flasher.

White : *Connect to +12VDC* - Connect through a 20 AMP fuse directly to the positive side of the battery or another high current power source. **Note:** Do not connect the White wire to the Red wire. The White wire must maintain a constant supply of power while the Red wire will be connected to your switched power. This wire supplies power to the flasher.

Orange : *Connect to +12VDC/Marker Lights* - Connect one Orange wire through a 20 AMP fuse directly to the positive side of the battery or another high current power source. **Note:** Do not connect the Orange wire to the Red wire. The Orange wire must maintain a constant supply of power while the Red wire will be connected to your switched power.

Connect the other Orange wire to one of the "Hot" side marker/parking light wires. This will automatically turn your marker/parking lights on when the vehicle is started.

White w/Red Stripe : *Connect to Ignition* - Connect the White w/Red Stripe wire to an ignition switched power source. This will switch the DRL function (including the associated marker light function) on and off with the vehicle. There is typically an 8-10 second delay before the DRL function is actually activated.

Please Note: The optional headlight flasher function will remain operational even if the ignition is switched off.

Gray : *Connect to Low Beams* - This wire provides the signal to deactivate the DRL function (including the associated marker light function) when your low beam headlights are turned on. **Please note:** On most vehicles, activating the low beams will also activate your marker lights. This wire will not affect that feature.

Black : *Optional/Connect to Gray Wire* - If you need an "Automatic Nighttime Cutoff", connect the Black wire to the Gray wire. This feature will automatically disable the flasher unit any time your headlights are on. Most applications would not require this feature. If you are not using this feature, simply connect the Black wire with the Green wire and attach them both to a good chassis ground.

Pink : *Optional/Connect to the HOT Side of a User Supplied Switch* - You may connect the Pink wire to the park brake switch, or the neutral safety switch. When the pink wire is grounded through one of the switches, the DRL function and marker lights will be deactivated.

Wiring Diagram

