

# GOLD SERIES®

NEON UNDERCAR KIT

## INSTALLATION INSTRUCTIONS

# WARRANTY INFORMATION

All StreetGlow products are covered by a comprehensive warranty. StreetGlow neon products are warranted against defective materials and workmanship for as long as the original purchaser owns the product. StreetGlow Radio Bars and other non-neon products (excluding fog and driving lights, and HID bulbs) are warranted against defective materials and workmanship for two years from date of purchase. Fog and driving lights, and HID bulbs are warranted for one year from date of purchase. Any product that should fail for either defective materials or workmanship will be repaired or replaced, at StreetGlow's option, as the sole remedy of the buyer. Proof of purchase is required. All warranty claims are to be handled by selling agents. Accident, abuse, neglect, modifications, broken glass, labor, transportation, improper installation and the use of products other than for their intended purposes are not covered. NEITHER SELLER NOR THE MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS), ARISING OUT OF THE USE OR THE INABILITY TO USE THE PRODUCT AND THE USER AGREES THAT NO OTHER REMEDY SHALL BE AVAILABLE TO IT. Before using, the user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith. Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state and from country to country. **DISCLAIMER: THE FOREGOING WARRANTY IS AN EXCLUSIVE WARRANTY IN LIEU OF ANY OTHER EXPRESS WARRANTIES. ANY IMPLIED WARRANTIES (INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) TO THE EXTENT THAT IT COULD APPLY TO ANY OF THE PRODUCTS MANUFACTURED BY THE COMPANY SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESS WARRANTY GIVEN ABOVE.**



# GOLD SERIES® UNDERCAR KIT INSTALLATION INSTRUCTIONS

## CONTENTS

- 2 - 51" neon tubes (SGL51)
- 2 - 30" neon tubes (SGM30)
- 1 - SG9500 Transformer
- 1 - Switch
- 1 - Warranty info packet
- 14 - Nylon tube clamps
- 26 - 5/8" Self-tap screws
- 5 - 3" PVC tubing
- 12 - 3/16" wire clamps

## TOOLS NEEDED

- Screwgun w/ phillips head bit
- Wire strippers
- Electrical tape

## PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING NEON

- Disconnect your battery prior to installation.
- This is a high voltage system and may cause burn or shock if neon tubes are not properly installed or connections are poorly insulated.
- Consult your local car audio or auto accessory installation center if uncertain of wiring or installation of neon tubes.
- Handle tubes carefully, as inner tube is not flexible and will break if tube is dropped or hit against hard surfaces.

## STEP 1. KIT CONTENTS

- 1) Unpack all components of kit and place neon tubes away from installation area.
- 2) Check the above contents list and locate each item.

## STEP 2. TESTING THE TUBES

- 1) Temporarily connect black neon cable from each end of tube to black neon cable on the SG9500 Transformer. Slide clear PVC tubing over connection for testing. This is only temporary.
- 2) Using your car battery or equivalent 12 volt power source, connect transformer positive lead (**RED** wire w/inline fuse) to your power source's positive lead (**RED**).
- 3) Connect your SG9500 transformer's ground (metal bracket) to your negative lead (**BLACK**).
- 4) Connect **ORANGE** wire to ground when not in use.
- 5) Your neon tube should now light up.
- 6) Repeat for all four neon tubes.

**NOTE: Connections of tubes to the transformer's neon leads during the test stage are to be temporary and easy to disconnect.**

## STEP 3. INSTALLATION OF NEON TUBES

- 1) Mount the SG9500 Transformer on a flat metal surface that is both near the vehicle's battery and accessible for neon wire lead connections, but away from engine and moving parts.
- 2) Locate a desired position for tube placement that is away from all fuel lines, exhaust system, areas of extreme heat, moving parts and where lifts or jacks are used to raise your vehicle. Run closest neon tube leads to the SG9500 Transformer that allow for the least length of wire (do not make connection at this time).
- 3) Mount side neon tubes to the vehicle with provided 1" nylon clamps. Secure clamps 12" apart from each other. Proceed to mount front and rear neon tubes. Make sure all tubes are secure and mounted flush to vehicle.
- 4) Trim off surplus wire from neon tubes before connecting to neon tubes. Avoid slack and secure all neon wire leads.

**NOTE: Allow 2" of straight wire at the end of each tube before bending in any direction.**

- 5) Now you are ready for wiring.

## STEP 4. WIRING CONNECTIONS (refer to Wiring Connection Chart)

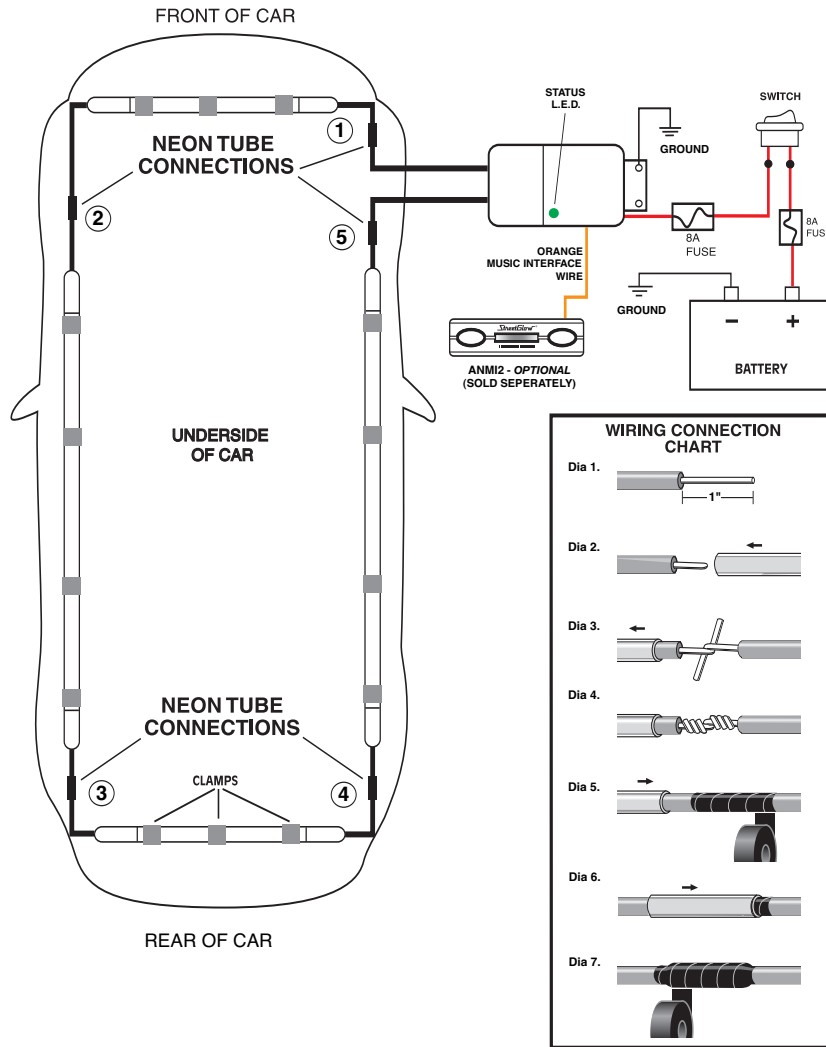
- 1) Trim and connect the two closest neon tube leads to the SG9500 Transformer
- 2) From the ends of the neon tube leads and transformer leads, strip off 1" of black insulation from the cable (Diagram 1).
- 3) Where two leads are to be connected, slide a clear PVC tubing onto one end of the lead (Diagram 2).
- 4) Twist the neon tube wires together (Diagrams 3 & 4).

**NOTE: Do not solder or use butt connectors or other connecting devices as this will malfunction the system.**

- 5) To insure proper installation, wrap black electrical tape over connection (Diagram 5).
- 6) Slide the clear PVC tubing over the connection (Diagram 6).
- 7) Complete the insulation by wrapping another layer of electrical tape over the PVC (Diagram 7).
- 8) All your tubes should now be connected in a series along with the SG9500 Transformer. Once complete, double check all connections between neon tubes and make sure all wires are secured to vehicle (see Wiring Diagram).

**Note: The leads at the end of each neon tube and SG9500 transformer are GTO cables. Only use the supplied wire when extended lengths are needed between neon tubes. This cable is specially insulated and using any other type of wire will malfunction the system, regardless of gauge. Should additional wire be necessary, check your local car audio store for availability.**

## WIRING DIAGRAM



## STEP 5. WIRING ON/OFF SWITCH

- 1) Mount switch in an accessible and desirable location inside vehicle.
- 2) Connect the three cables as labeled (see Wiring Diagram).
- 3) Be sure to insulate each connection with black electrical tape to avoid future malfunction of kit.
- 4) You have now completed the installation of neon tubes and ON/OFF switch.
- 5) Reconnect your battery.
- 6) Turn the switch on and start enjoying your new Gold Series Undercar Kit!

**NOTE: Should lights fail to turn on, please refer to Troubleshooting Guide section of your manual.**

## STEP 6. MUSIC INTERFACE WIRING

The **ORANGE** wire on the SG9500 is to allow connection to StreetGlow's Music Interface unit (ANMI2 – sold separately). Connect the **ORANGE** wire to the negative (-) output of the ANMI2 music interface to allow this function to operate. Connect **ORANGE** wire to ground when not in use.

**Keep on glowin!**

## TECH TIPS:

### SG9500 TRANSFORMER

Each SG9500 Gold Series undercar kit transformer can power an additional 30" neon tube (SGM30) for your grill or any other desired location. Transformer will automatically shut down should six or more tubes be connected.

### TUBE PLACEMENT

Keep in mind that a vehicle's suspension moves when driving. After installing a tube, push down on the front then rear of the vehicle, making sure nothing is pulling or touching tubes and wires. If ABS indicator lamp illuminates while operating neon tubes, relocate transformer and/or wiring away from ABS computer or sensors.

### SHORT CIRCUIT

If neon tubes flash on and off, the neon tube is sensing a short circuit within the system. Check all connections. If neon tubes flicker, check all connections throughout the entire system. A bad connection may not necessarily be located near the flickering bulb.

### STATUS L.E.D.

**RED** = Open or bad connection

Once the error has been corrected with the kit, reconnect the transformer to reset it.

**GREEN** = Good connection

## TROUBLESHOOTING GUIDE

PROBLEM:	SOLUTION:
Neon tube(s) are half lit or dim.	Check black neon cable going into actual tube end near rubber boot and all connections. All tubes in series must be checked for faulty connections. Any faulty connections within the series can cause a bulb to malfunction.
Neon tube does not light.	Check for faulty or broken neon tube. Visually check all tubes carefully for any cracks. Make sure to inspect the inner tube for any signs of breakage or cracks. If tube does not appear to be broken, this could be a sign of a faulty neon tube (See Return Authorization).
No lights come on at all or lights come on and turn off instantly (flash).	Recheck all your connections between neon tubes and be sure they are properly insulated & moisture free. Recheck switch wiring to assure all wires are properly connected. Recheck your power source connection (i.e. battery or fuse box). If using fuse method, check fuse. If all else fails, check for a faulty SG9500 transformer.
Faulty Transformer Kit will not light up	See "STEP 2 - TESTING NEON TUBES." If neon tubes still fail to illuminate, then a new transformer may be needed.

StreetGlow products may be installed on any 12 volt vehicle application. StreetGlow products are recommended for show and off-road use only. Laws concerning the use of aftermarket lighting products may vary from state to state. For more information, please check with your local authority. The manufacturer assumes no responsibility for damages, fines or claims resulting from the use of this product.

**Design and specifications are subject to change without notice.**