

## HARDWARE & INSTALLATION MANUAL

### CHEVORLET IMPALA

This VIZORLIGHT-S®:

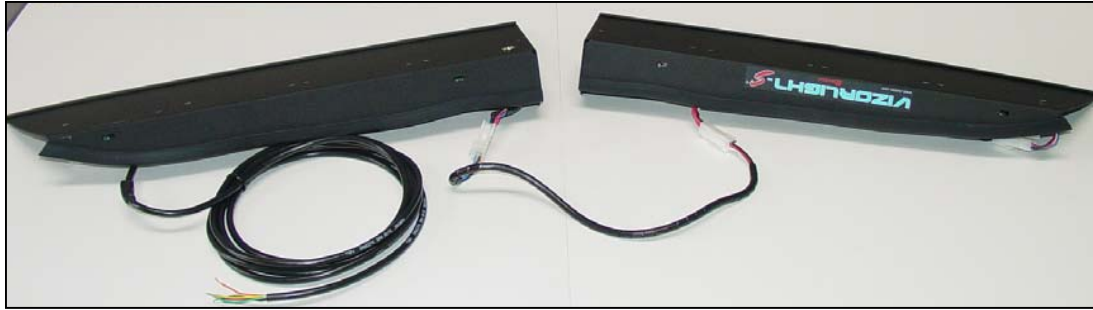
- Is designed for use with 2006 through the current Chevy Impala model.
- Is designed and intended to function as an emergency warning light mounted to the windshield visors.
- Has an electric operating system requirement of 12 volts DC, with a negative ground.
- Will operate independently or in conjunction with Rontan light controllers or universal light controllers (ICM30® or ICM40® required).
- Stores all flash patterns in the light assembly intelligence.
- Plug-and-play operability and modular design of the light heads facilitate installation, quick color changes, and field upgradeability. .
- Is vehicle specific and if used with other models or applications, may require some modifications.
- Is engineered with Rontan's two-wire technology capability for ease of installation and quick programming.
- All Rontan North America products are *SAE compliant and meet Calif. Title 13 standards*

## HARDWARE GUIDE

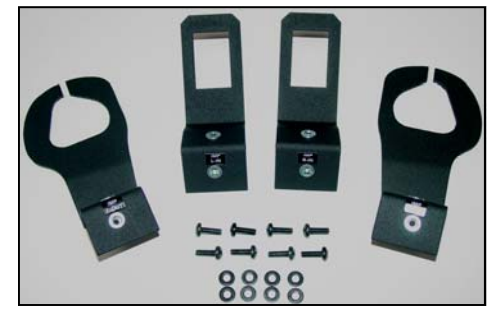
### Step 1

Remove the light and attachment hardware from the packaging.

### Step 1A



### Step 1B



### Step 2

Remove the visors and visor clips using a Phillips screwdriver. Do not discard the screws as they will be needed for reinstalling the visor clips and visors.

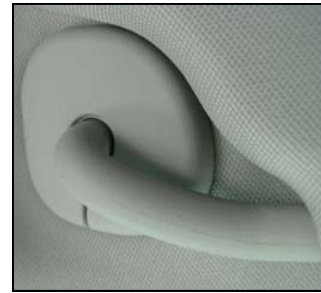
### Step 2A



### Step 2B



### Step 2C



### Step 2D



### Step 2E



### Step 2F



## HARDWARE GUIDE

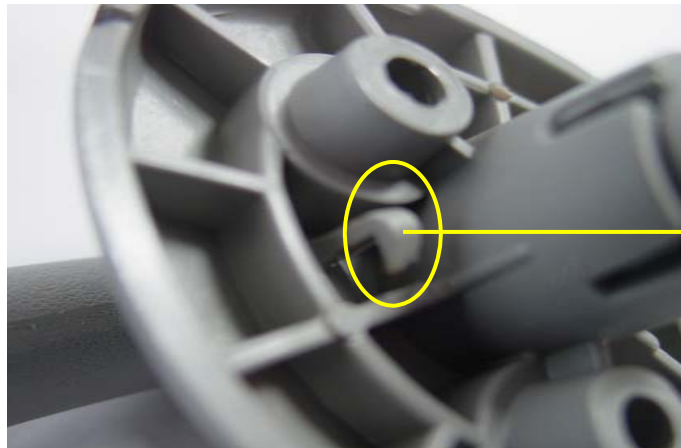
### Step 3

Place the brackets to the inside of the *Vizorlight-S*® as shown, and loosely attach them with the supplied black screws and washers.



### Step 4

Clip the tap from each visor pivot plate as shown so that the triangular bracket may be installed.



## HARDWARE GUIDE

### Step 5

Place the visor arm pivot plate through the triangular bracket hole and place the bracket clip into the rectangular bracket hole.

#### **IMPORTANT:**

Install the **driver's** side Vizorlight-S® first.

Start the installation with the visor clip, loosely screwing it in place to support the weight of the assembly.

Once the weight is supported, the screw alignment for the triangular pivot plate is simplified. Loosely screw in

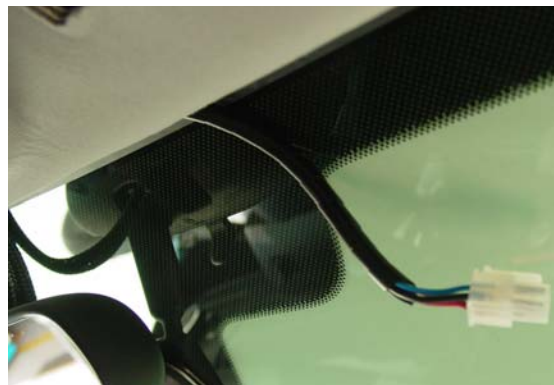
Do not fully tighten any of the screws at this point. Push any excess cable into the headliner, but leave the connector out for connection to the passenger side visor. Check the installation at this point to ensure that none of the cable has crept in front of the LED lights.



**NOTE:** Do not press the screw cover in place until the screws are securely tightened.

### Step 6

Connect the wire harness from the driver's side light to the passenger side light. Repeat the installation process for the passenger side assembly. Remember to loosely install the visor clip and bracket first. Tuck the wire harness connector into the passenger side assembly, but make certain that it is behind the LED lights. Hide any excess cable behind the headliner. Route the main light cable from the passenger side light to minimize exposure and to optimize wiring. At this point, all of the bracket and visor screws may be securely tightened for both assemblies.

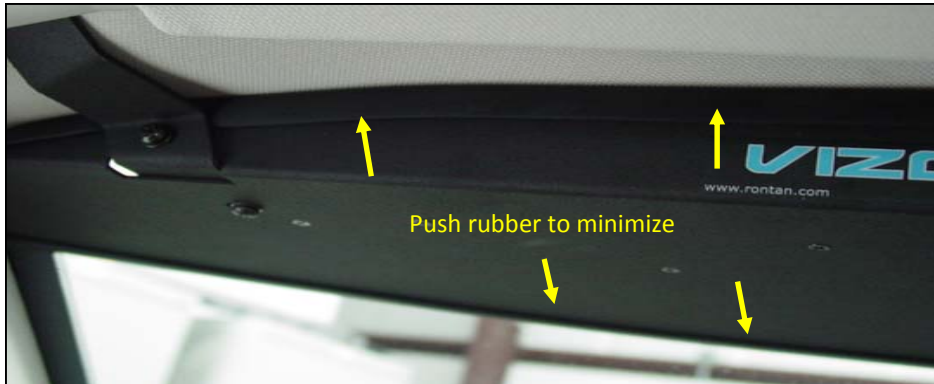


## HARDWARE GUIDE

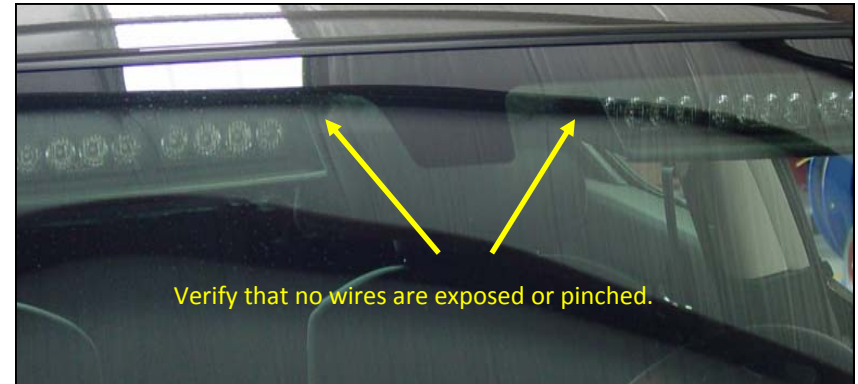
### **Step 6**

Push the rubber edge covers towards the headliner and windshield to minimize gaps. Complete the installation by connecting the wires as described on the [Vizorlight-S® Installation Guide](#) page in this manual.

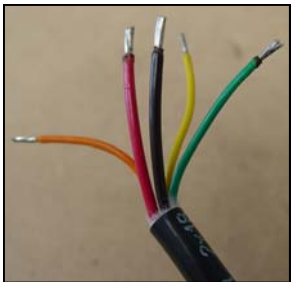
### **Step 6A**



### **Step 6B**

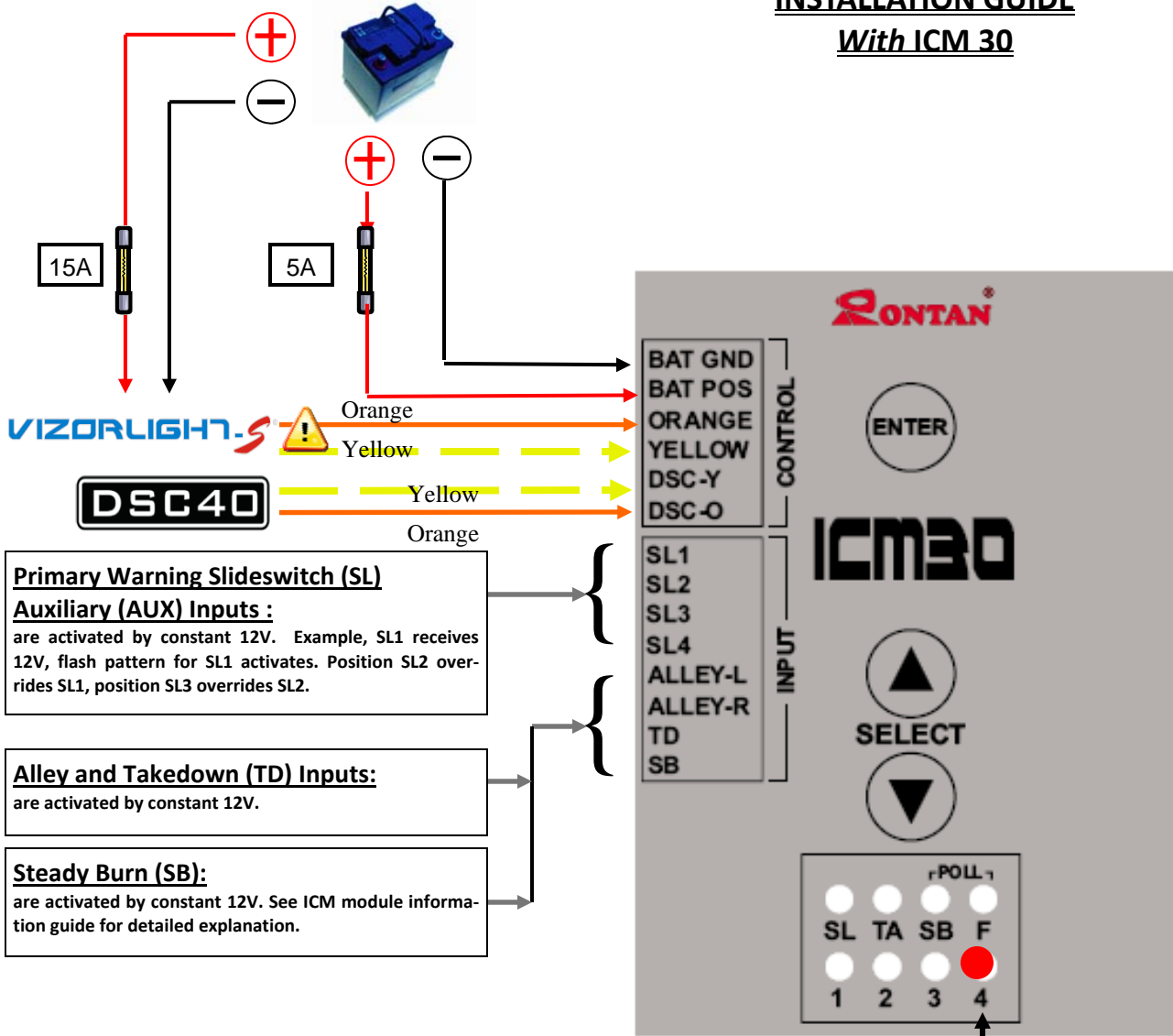


### **Step 6C**



## INSTALLATION GUIDE

With ICM 30



**Primary Warning Slideswitch (SL)**  
**Auxiliary (AUX) Inputs :**  
 are activated by constant 12V. Example, SL1 receives 12V, flash pattern for SL1 activates. Position SL2 overrides SL1, position SL3 overrides SL2.

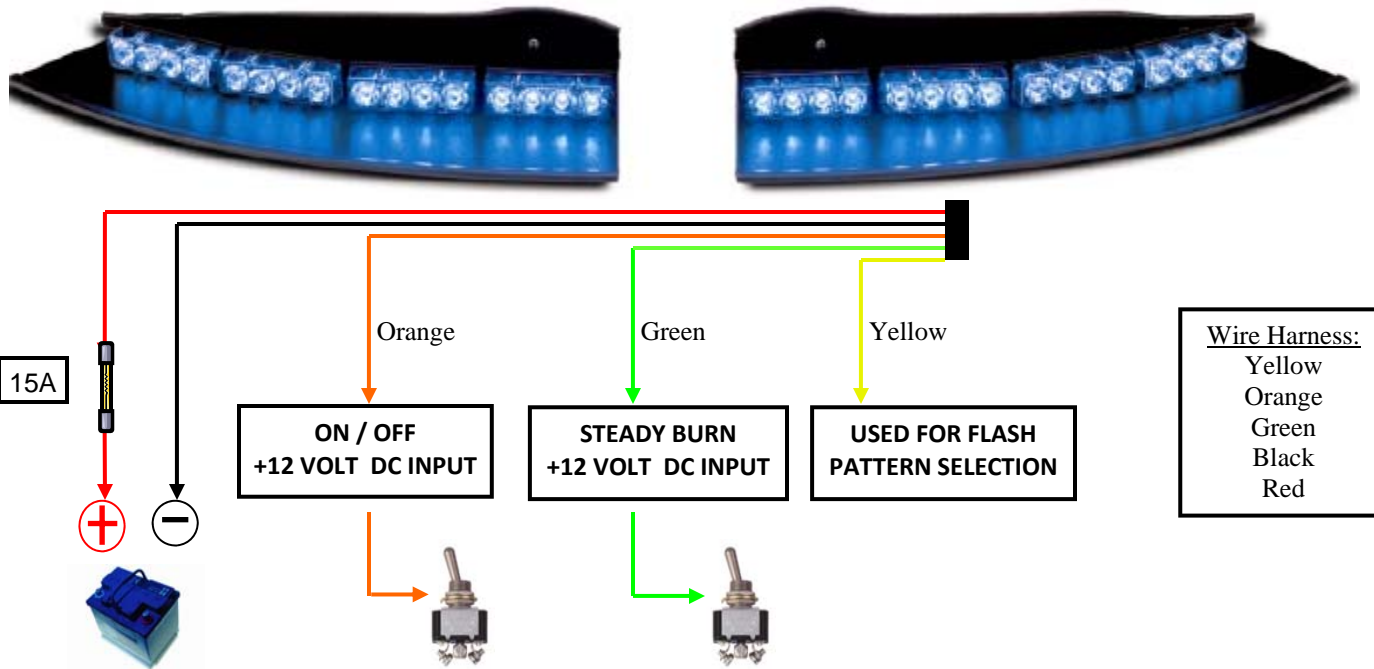
**Alley and Takedown (TD) Inputs:**  
 are activated by constant 12V.

**Steady Burn (SB):**  
 are activated by constant 12V. See ICM module information guide for detailed explanation.

**DO NOT** connect the Vizorlight-S® orange or yellow wires to ++12VOLT++! These are serial communication wires. Doing so will erase the light programming and require a time consuming reprogramming of the light.

**Loss of Communication:** If the LED in position #4 is on steady, the ICM module has lost communication. Recheck ORANGE and YELLOW connections for proper connectivity.

## INSTALLATION GUIDE Without ICM 30



### MANUAL POLLING FUNCTION

1. Connect the ORANGE and the GREEN wires to +12 volts.
2. Touch and release the YELLOW wire to +12 volts to start polling.
3. Touch and release the YELLOW wire to +12 volts to exit polling.

### USING A CONTROLLER

Refer to the specific controller manual(s) when using the *Vizorlight-S*® in conjunction with an ICM30® or ILC2000® controller.

### MANUAL FLASH PATTERN SELECTION

1. Connect the ORANGE wire to +12 volts.
2. Touch and release the YELLOW wire to +12 volts to individually scroll through the flash patterns.
3. The last pattern scrolled to will be selected.

### MANUAL STEADY BURN DESIGNATION

1. Connect the GREEN wire to +12 volts.
2. Touch and release the YELLOW wire to +12 volts to advance the steady burn function to the desired light head.
3. Up to 4 steady burn light heads may be selected.



**NOTE:** The end of the flash pattern table is signified with a "blank" flash pattern.



**NOTE:** The cable for electrically connecting to the vehicle exit from the passenger side of the light.