

## Overview of the Reset Procedure

These instructions explain how to reset the Valor lightbar controller after you install a service replacement board or if the lightheads operate erratically. For the Valor lightbar to operate correctly, the controller stores information about which LED colors it controls. Resetting the lightbar controller may be necessary if you replace the controller board or if the LEDs flash erratically. To scan which colors are available at the end of the reset cycle, the controller briefly flashes all LEDs simultaneously.

Be sure to perform the reset cycle on a vehicle with a well-charged battery. Failure to do so may cause the lightbar to flash or operate incorrectly.

## Resetting the Controller

**⚠ WARNING**

**LIGHT HAZARD**—*This product contains high output LED devices. To prevent permanent eye damage, do not stare into the light beam at close range.*

**NOTICE**

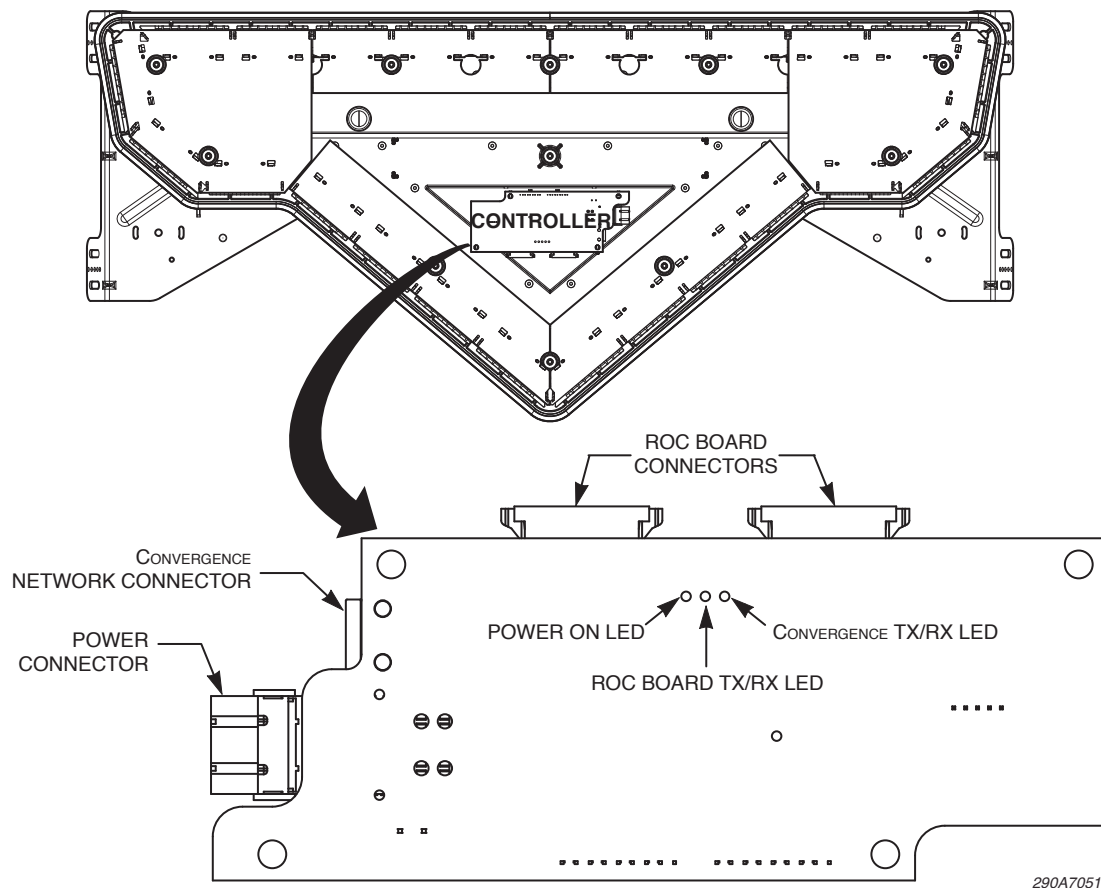
**STATIC SENSITIVE DEVICE**—*This lightbar's circuitry can be damaged by electrostatic discharge (ESD). Follow anti-static procedures when servicing this lightbar.*

To reset the controller:

1. Remove the dome screws, top plate, and dome from the Valor. For instructions, see the Valor Installation, Maintenance, and Service Manual (doc. no. 2562549).  
**Note:** If you are replacing the controller, ensure that power to the lightbar is off, then disconnect all connectors to the controller. Install the new controller and re-connect all cables to the controller board.
2. Connecting the main power and ground wires from the lightbar to the battery.
3. Apply ignition power to lightbar control head. Verify that the “POWER ON” LED is lit on the Valor controller board.
4. Unplug the two ROC board connectors from the controller board (see diagram).
5. Cycle power to the lightbar by removing both the Convergence Network CAT5 connector and the power connector and reconnecting both after at least 5 seconds. In response, the “ROC TX/RX” LED and the “Convergence TX/RX” LEDs flash ON/OFF together. The “POWER ON” LED turns ON.
6. Plug the two ROC board connectors back into their connections.
7. Cycle power to the lightbar by removing both the Convergence Network CAT5 connector and the power connector and reconnecting both after at least 5 seconds. All LEDs briefly flash once to indicate reset is finished.
8. Test and reassemble lightbar.

## Reset Instructions for the Valor Lightbar Controller

Figure 1 Location of lightbar controller



## Getting Technical Support and Service

For technical support and service, please contact:

Federal Signal Corporation  
Service Department  
Public Safety Systems  
Phone: 1-800-433-9132  
Fax: 1-800-343-9706  
Email: [empserviceinfo@fedsig.com](mailto:empserviceinfo@fedsig.com)

## Ordering Replacement Parts

To order replacement parts, please contact your local dealer/distributor or:

Customer Support  
Federal Signal Corporation  
Phone: 1-800-264-3578