



## **SVE BULLETIN**

### **SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE**

E-Mail via website: [www.fleet.ford.com/truckbbas](http://www.fleet.ford.com/truckbbas) (click "Contact Us")

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## **LED Lighting with Body Control Module**

**Models Affected:** 2011 Model Year Incomplete or Modified F250/350/450/550 completed by a Final Stage Manufacturer and to be equipped to tow a trailer

### **Background**

For 2011 model year the function of the turn signal flasher was incorporated into the software of the Body Control Module (BCM). The BCM is configured to provide lamp-outage indication on all F250/350/450/550. For proper function of LED lighting installed by Final Stage Manufacturers of incomplete or modified vehicles, the BCM must be reconfigured to turn off the lamp-out indication.

**NOTE:** This procedure applies to **REAR TURN LAMP-OUTAGE ONLY**.

**Front turn Lamp-Outage is not (and has not been) reconfigurable. The installation of LED lamps in front turn signal circuits will cause the BCM to enter Lamp-Outage mode and will cause "fast flash" unless the LED's draw a minimum of 700mA in each of the front turn circuits.**

### **Reconfiguration of the BCM**

Ford dealers have a Special Service Message (SSM) 21369 providing instructions for reconfiguration of the BCM to turn off the lamp-out indication. Additionally, Final Stage Manufacturers can reconfigure the BCM to turn off the lamp-out indication with a laptop computer by obtaining their own IDS Kit (Integrated Diagnostic Software) sold by Ford. Below are two areas of the Motorcraft® Technical Resource Access website for the description and ordering of tools and kits.

Diagnostic Tool Support (product detail in left hand navigation menu):

[http://www.motorcraftservice.com/vdirs/retail/default.asp?pageid=wds\\_retail&gutsid=wds&menuIndex1=8](http://www.motorcraftservice.com/vdirs/retail/default.asp?pageid=wds_retail&gutsid=wds&menuIndex1=8)

Tools & Equipment (how to order):

[http://www.motorcraftservice.com/vdirs/retail/default.asp?pageid=pubs\\_rotunda&gutsid=pubs\\_rotunda](http://www.motorcraftservice.com/vdirs/retail/default.asp?pageid=pubs_rotunda&gutsid=pubs_rotunda)

Up-fitters will be asked to call **1-800-ROTUNDA Option #1** to order the kits. Another option is through the Ford Fleet website, [www.fleet.ford.com](http://www.fleet.ford.com), if they have a FIN Code.

Once the service laptop has been obtained, and IDS installed, the following are the basic steps to turn off the lamp-out configuration:

## **Rear Lamp Outage Programming**

1. Ensure that the IDS is updated to 67.03 Database	4. Select "Exterior Lighting"
2. Select "Module Programming"	5. Select "Lamp Outage"
3. Select "Programmable Parameters"	6. Select "Lamp Outage Turned Off"

Notes: 1. Reconfiguration of the BCM to accommodate LED lighting is not covered by Ford warranty.  
2. FMVSS 108 / CMVSS 108 compliance (with specific regard to the turn signal bulb outage requirement per this bulletin) is the responsibility of the Final Stage Manufacturer.

### **Incomplete Vehicles Built After 5-10-10**

Incomplete vehicles built after 5-10-10 are configured with "*Rear Lamp Outage Turned OFF*" therefore do not require a BCM reconfiguration to accommodate rear turn lamp LED lighting.

For any questions contact the Ford Truck Body Builders Advisory Service by the methods shown above.