



## SVE BULLETIN

### SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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## 2007 F53 Canadian Daylight Running Light Revision

**To:** All Builders Completing Vehicles on the F53 Chassis

**Note:** *This bulletin is being revised to correct the Daylight Running Light relay part numbers*

**Models Affected:** 2007 F53

### Action Requested

Please provide a copy of this bulletin to affected engineering, sales, production, purchasing, and service activities.

### Background

For 2007, Daylight Running Lights (DRL) are available on chassis destined for Canadian motor home builders only. All other F53 chassis are shipped without DRL installed. Since some USA based builders complete vehicles to be sold in Canada, this bulletin outlines the steps necessary to upgrade a non-DRL vehicle to the Canadian DRL configuration.

Note: No other unique Canadian requirements are addressed in this bulletin.

### Description

- Mount the DRL Resistor to the inside of the radiator support by tightening the captive bolt on the DRL Resistor to the weld nut provided on the radiator support. Refer to Figures 1 & 2. Orient the DRL Resistor with the connector "up". Note that clearance is minimal and a 10mm open-ended wrench will be necessary to tighten the bolt. Caution: The DRL Resistor gets hot when the daylight running lights are "on". Do not use an alternate mounting method or location for the DRL Resistor.
- Remove the wire harness "cap" with jumper circuit from the -12A581- harness pigtail located near the DRL Resistor location and plug in the DRL Resistor.
- Locate the relay fuse panel which is part of the -14A032- wire harness shipped in the dunnage box. Install the DRL "on-off" relay in the location labeled "R10". (Figure 3 shows the fuse panel and the uninstalled relay).
- Verify proper DRL operation per chart below

DRL Proper Operation		
Ignition Switch Position	Headlamp Switch Position	Outside Lights
Run	Off	- Headlamps "ON" at reduced brightness - Running and taillights "OFF"
Run	On	- Headlights "ON" at full brightness - Running and taillights "ON"

### **Troubleshooting:**

The following are the four possible installation conditions for the DRL Resistor and DRL "on-off" relay:

- Both Resistor and Relay are installed – Daylight Running Light system operates normally.
- Neither Resistor or Relay is installed – Non-DRL configuration (standard condition for all chassis not shipped from the assembly plant to a Canadian builder).
- Relay is installed, but the DRL Resistor is not installed – the vehicle headlights will be "on" at full intensity whenever the ignition key is "on".
- Resistor is installed, but the relay is not installed – headlights will only be controlled by the headlamp switch. DRL function will be disabled.

### **Parts Required:**

	<u>Engineering P/N</u>	<u>Service P/N</u>
• DRL Resistor Module	6C3T-14A601-AA	6C3Z-14A601-1
• DRL Relay	F57B-14B192-AA	F5TZ-14N089-B

Sincerely,

D. J. Snyder  
SVE Quality Programs



Figure 1

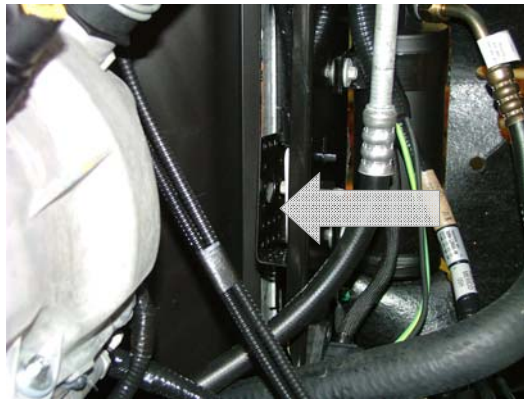


Figure 2

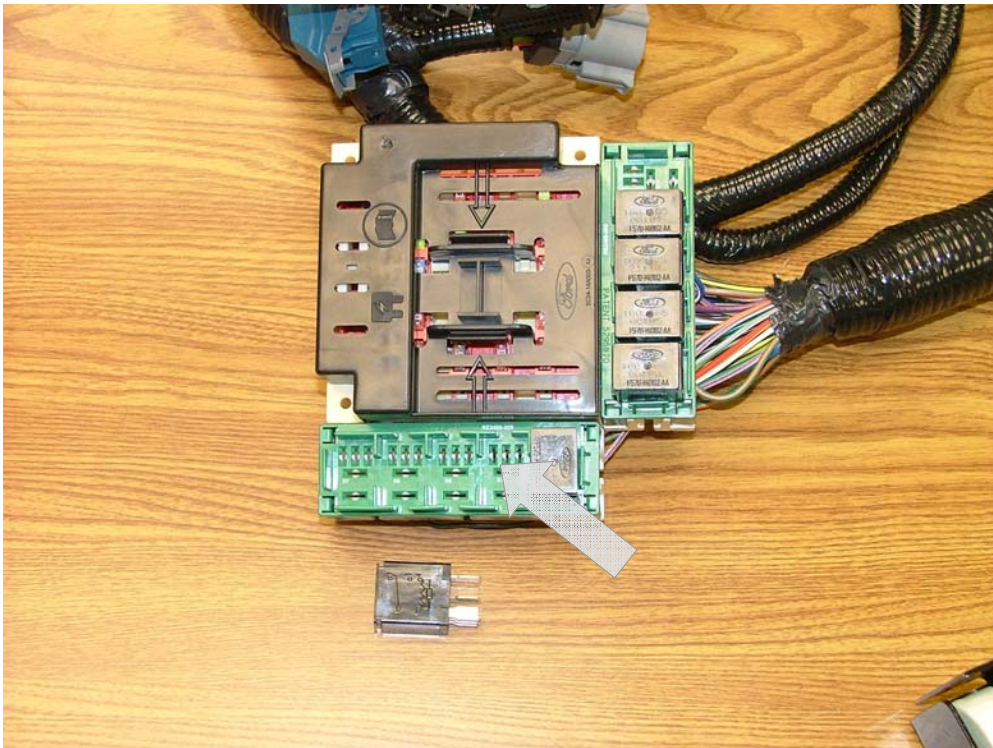


Figure 3