



SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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E and F-Series Headlamp Modifications

Models Affected: All 2005 – Current Model Year E-Series and F250-550 Super Duty

Purpose: To inform the modifiers of modifications that may affect the headlamp assembly performance and the vehicle certification to F/CMVSS 108.

Concern Description:

Multiple Bulb Elements Active with Wig-Wag Operation:

The addition of circuitry to the Ford headlamp assembly circuits (i.e. headlamps, parking lamps and turn signal lamps) **can not** cause the systems to operate in opposition to the design of the Ford headlamp assembly circuits. The headlamp circuits on Ford E-Series and F250-550 vehicles are designed to have only one headlamp bulb element powered at any time. This precludes the use of wig-wags and either daytime running lights (DRL's) or the Ford headlamps (low or high beams).

The wig-wag module should disable DRL's when the wig-wags are in use, monitor the Ford headlamp circuits and disable the wig-wags when the Ford headlamps are activated by the driver. If the wig-wag module is incapable of these functions, circuitry **must** be added that will control of the DRL's and the wig-wag module as described previously or if not refer to "F/CMVSS 108 and Warranty Coverage Statement" section for the consequences.

Additional Heat Sources Added to the Headlamp Assembly:

On some emergency vehicles, the body builders have added additional elements to the Ford headlamp assembly. This practice should be discontinued. These additional elements can add heat to the headlamp assembly. The added heat can result in structural deformation of the headlamp assembly and result in the headlamp assembly no longer meeting F/CMVSS 108. See "F/CMVSS 108 and Warranty Coverage Statement" section.

F/CMVSS 108 and Warranty Coverage Statement

For these reasons, Ford Motor Company must preclude vehicles with additional heat sources added to the headlamp assembly or having multiple bulb elements active with wig-wag operation from using our Incomplete Vehicle Manual as a path to compliance for F/CMVSS 108 and eliminating coverage of any headlamp or other related repairs under the Ford New Vehicle Limited Warranty.

If you have questions, please contact the Ford Truck Body Builders Advisory Service as shown in the header of this bulletin.

Electrically yours,

(Signed)

(Signed)

Concur: _____
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Ford Truck Body Builders Advisory Service - SVE